

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120919\
 Data File : VX013867.D
 Acq On : 09 Dec 2019 21:37
 Operator : JC/SP
 Sample : K6185-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20191204MSD

Manual Integrations
 APPROVED

apatel
 12/11/2019 8:54:39 AM

Quant Time: Dec 10 05:04:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	548010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	858691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	776433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	381527	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	286843	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	5.48	113	238255	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
50) Toluene-d8	8.71	98	906532	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	
62) 4-Bromofluorobenzene	11.14	95	326219	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	276584	45.344	ug/l	98
3) Chloromethane	1.32	50	310444	45.358	ug/l	100
4) Vinyl Chloride	1.40	62	364670	47.339	ug/l	97
5) Bromomethane	1.63	94	236459	45.707	ug/l	99
6) Chloroethane	1.71	64	203739	46.478	ug/l	99
7) Trichlorofluoromethane	1.92	101	393268	45.975	ug/l	99
8) Diethyl Ether	2.18	74	183538	47.428	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1283411	245.638	ug/l	99
10) Methyl Iodide	2.50	142	288669	45.674	ug/l	98
11) Tert butyl alcohol	3.04	59	395277	251.746	ug/l	99
12) 1,1-Dichloroethene	2.36	96	252794	48.472	ug/l	98
13) Acrolein	2.28	56	306344	290.736	ug/l	100
14) Allyl chloride	2.72	41	442861	46.792	ug/l	99
15) Acrylonitrile	3.13	53	823573	254.107	ug/l	99
16) Acetone	2.44	43	710822	226.334	ug/l	98
17) Carbon Disulfide	2.56	76	613200	41.245	ug/l	99
18) Methyl Acetate	2.76	43	438347	50.124	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	839584	48.596	ug/l	100
20) Methylene Chloride	2.85	84	280960	46.566	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	259873	45.741	ug/l	98
22) Diisopropyl ether	3.84	45	911066	49.993	ug/l	98
23) Vinyl Acetate	3.80	43	3482216	229.691	ug/l	99
24) 1,1-Dichloroethane	3.69	63	494046	49.591	ug/l	98
25) 2-Butanone	4.66	43	1162554	249.074	ug/l	100
26) 2,2-Dichloropropane	4.57	77	316598	38.410	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	341573	52.352	ug/l	98
28) Bromochloromethane	5.00	49	200955	51.044	ug/l	97
29) Tetrahydrofuran	5.12	42	746989	259.608	ug/l	99
30) Chloroform	5.20	83	474994	47.013	ug/l	96
31) Cyclohexane	5.57	56	425019	45.231	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	398886	47.244	ug/l	99
36) 1,1-Dichloropropene	5.79	75	352061	45.166	ug/l	99
37) Ethyl Acetate	4.82	43	412980	47.227	ug/l	99
38) Carbon Tetrachloride	5.78	117	343362	47.772	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	414042	42.972	ug/l	99
40) Benzene	6.14	78	1106631	46.614	ug/l	100
41) Methacrylonitrile	5.03	41	247592	51.628	ug/l	98
42) 1,2-Dichloroethane	6.19	62	382627	47.259	ug/l	100
43) Isopropyl Acetate	6.43	43	671015	46.610	ug/l	100
44) Trichloroethene	7.21	130	1029563	158.019	ug/l	99
45) 1,2-Dichloropropane	7.51	63	291345	49.050	ug/l	97
46) Dibromomethane	7.65	93	187885	46.574	ug/l	99
47) Bromodichloromethane	7.89	83	368937	48.377	ug/l	98
48) Methyl methacrylate	7.76	41	349480	49.963	ug/l	100
49) 1,4-Dioxane	7.73	88	165191	1055.057	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2295717	253.514	ug/l	100
52) Toluene	8.78	92	687531	46.617	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	400034	46.083	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	438201	46.205	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	288645	48.566	ug/l	99
56) Ethyl methacrylate	9.17	69	467776	48.954	ug/l	99
57) 1,3-Dichloropropane	9.37	76	483904	47.236	ug/l	100
59) 2-Hexanone	9.49	43	1782864	252.434	ug/l	98
60) Dibromochloromethane	9.57	129	295614	47.928	ug/l	98
61) 1,2-Dibromoethane	9.67	107	297522	46.871	ug/l	99
64) Tetrachloroethene	9.33	164	339793	58.684	ug/l	99
65) Chlorobenzene	10.14	112	745089	46.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	277335	47.910	ug/l	99
67) Ethyl Benzene	10.25	91	1301237	46.974	ug/l	98
68) m/p-Xylenes	10.35	106	993841	93.710	ug/l	99
69) o-Xylene	10.70	106	486129	46.999	ug/l	100
70) Stvrene	10.71	104	822533	47.273	ug/l	99
71) Bromoform	10.85	173	232859	48.617	ug/l #	98
73) Isopropylbenzene	11.01	105	1271846	47.523	ug/l	100
74) N-amyl acetate	10.89	43	568954	46.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	471239	50.774	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	421898m	49.165	ug/l	
77) Bromobenzene	11.25	156	335564	46.413	ug/l	98
78) n-propylbenzene	11.35	91	1410505	47.213	ug/l	100
79) 2-Chlorotoluene	11.42	91	840989	46.927	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1037263	47.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	142460	45.418	ug/l	100
82) 4-Chlorotoluene	11.51	91	959404	46.221	ug/l	99
83) tert-Butylbenzene	11.76	119	1078051	48.361	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1059685	47.602	ug/l	100
85) sec-Butylbenzene	11.94	105	1204382	47.301	ug/l	100
86) p-Isopropyltoluene	12.06	119	1092510	46.122	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	568766	45.129	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	571229	44.498	ug/l	99
89) n-Butylbenzene	12.39	91	907099	44.899	ug/l	100
90) Hexachloroethane	12.59	117	202834	47.374	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	583650	46.871	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	100888	49.917	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	366629	42.246	ug/l	99

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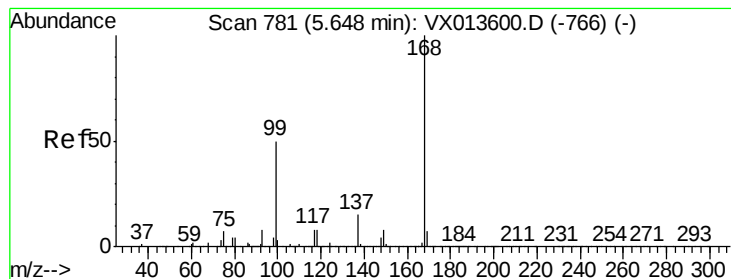
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	173739	41.675	ug/l	99
95) Naphthalene	13.83	128	1179509	45.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	383305	44.608	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion:168 Resp: 548010

Ion Ratio Lower Upper

168 100

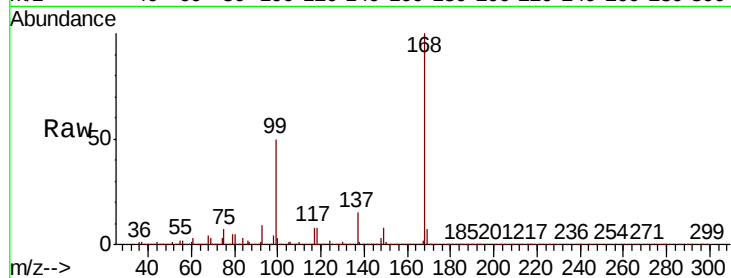
99 50.0 39.8 59.8

Manual Integrations

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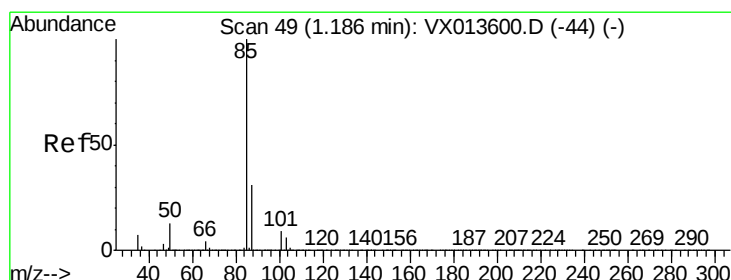
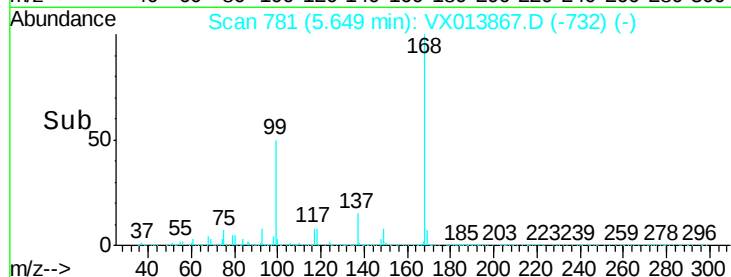
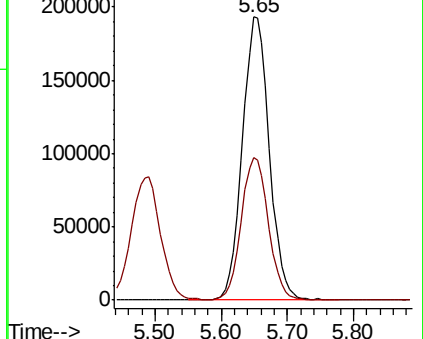
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 45.344 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX013867.D

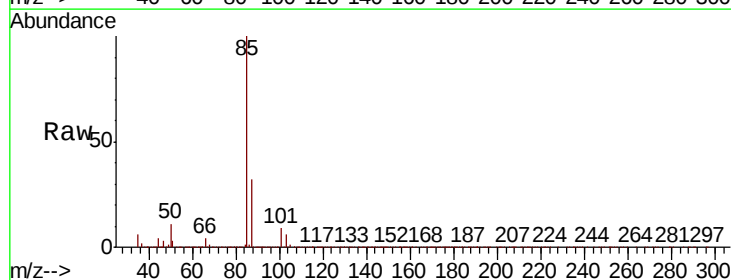
Acq: 09 Dec 2019 21:37

Tgt Ion: 85 Resp: 276584

Ion Ratio Lower Upper

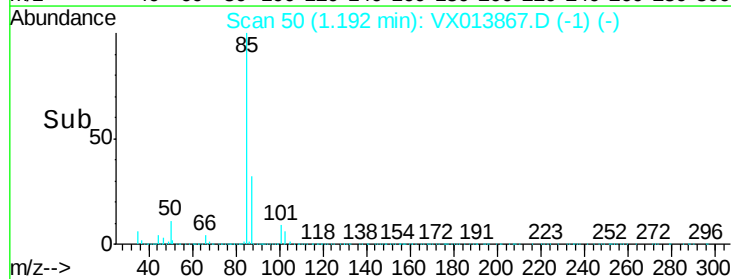
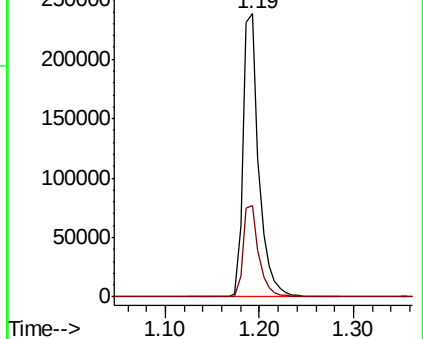
85 100

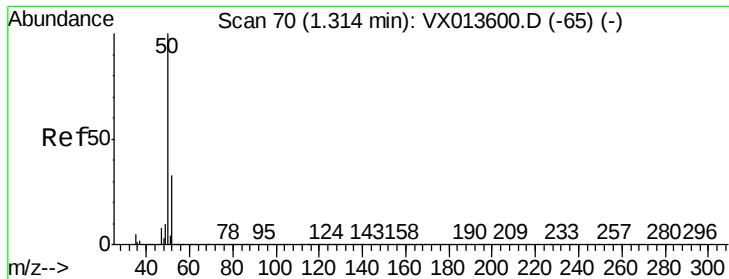
87 32.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.358 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 50 Resp: 310444

Ion Ratio Lower Upper

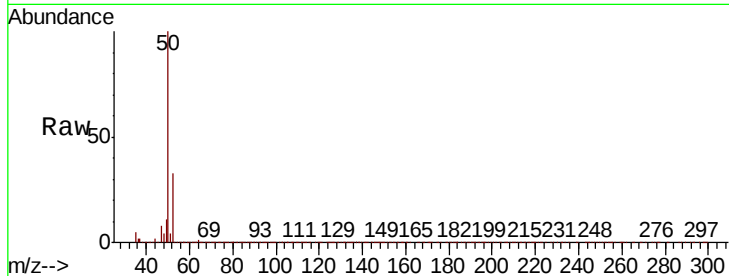
50 100

52 32.7 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

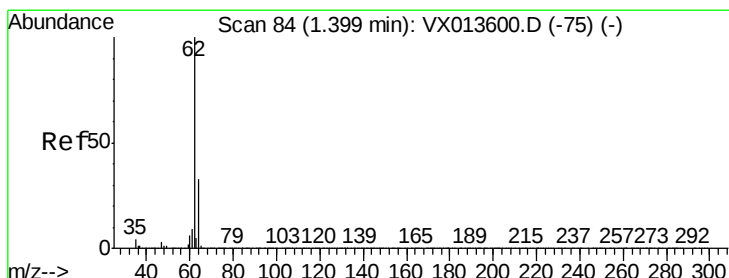
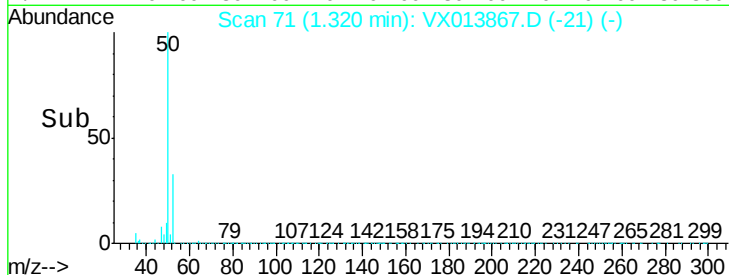
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 47.339 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013867.D

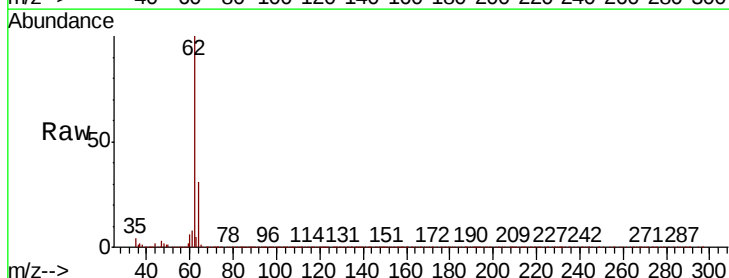
Acq: 09 Dec 2019 21:37

Tgt Ion: 62 Resp: 364670

Ion Ratio Lower Upper

62 100

64 30.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

400000

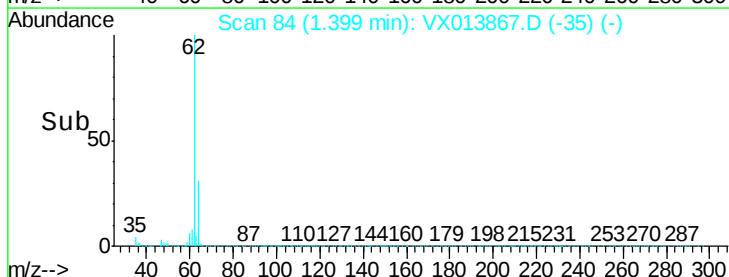
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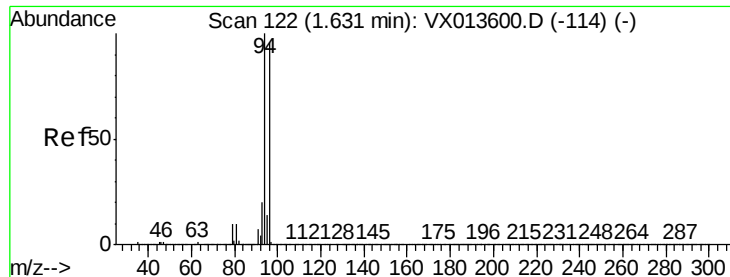
200000

100000

0

Time-->





#5

Bromomethane

Concen: 45.707 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 94 Resp: 236459

Ion Ratio Lower Upper

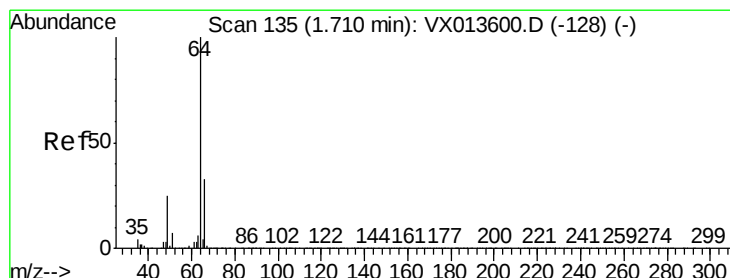
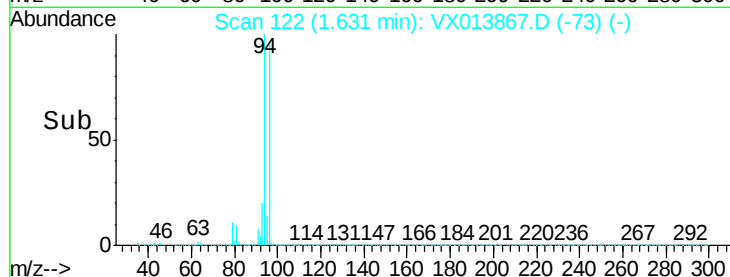
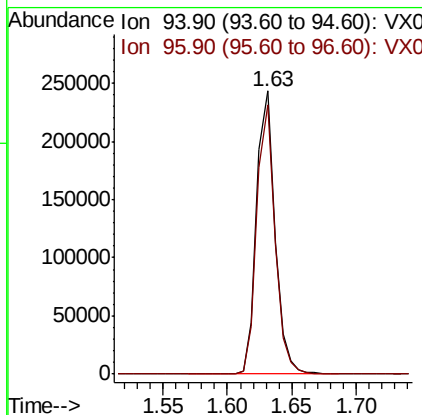
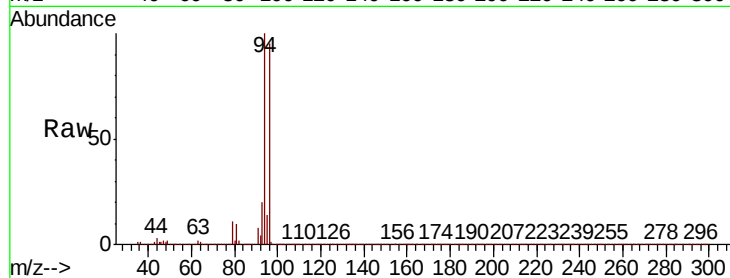
94 100

96 95.0 77.0 115.4

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#6

Chloroethane

Concen: 46.478 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013867.D

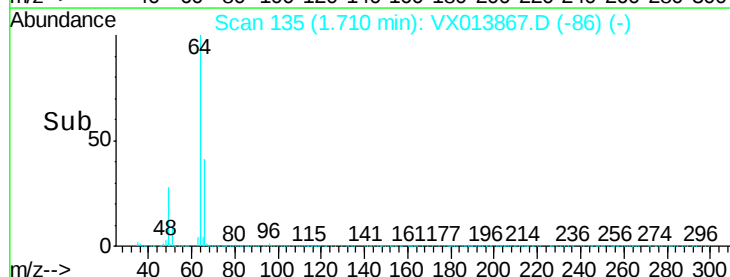
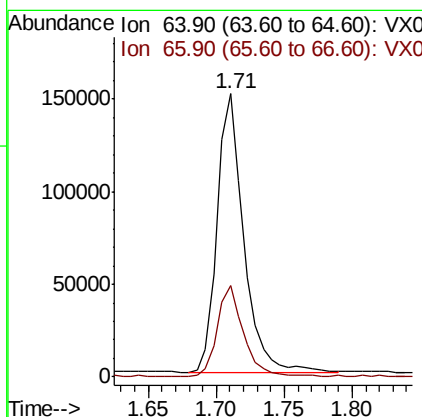
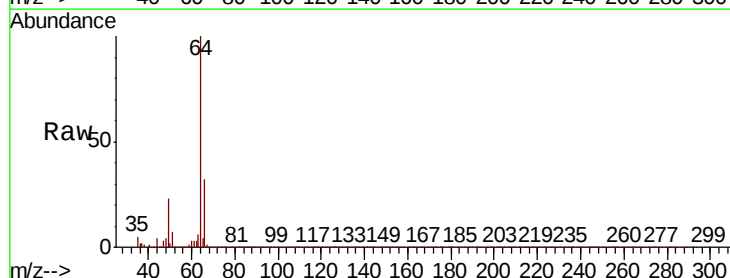
Acq: 09 Dec 2019 21:37

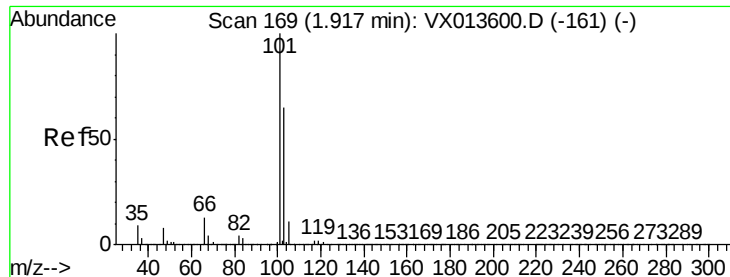
Tgt Ion: 64 Resp: 203739

Ion Ratio Lower Upper

64 100

66 32.6 26.7 40.1





#7

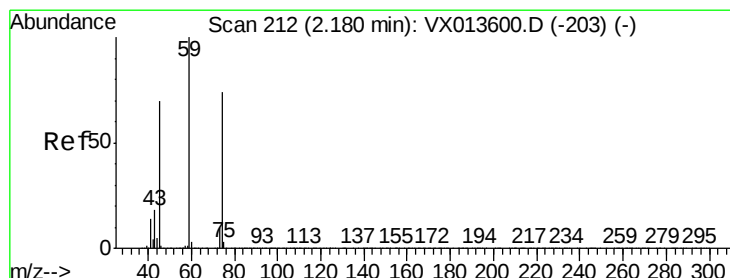
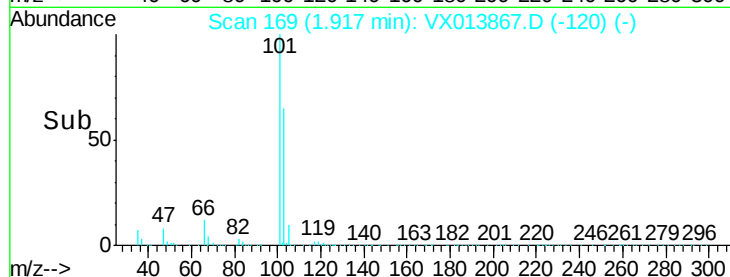
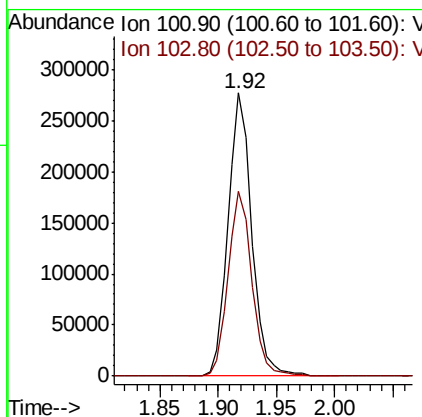
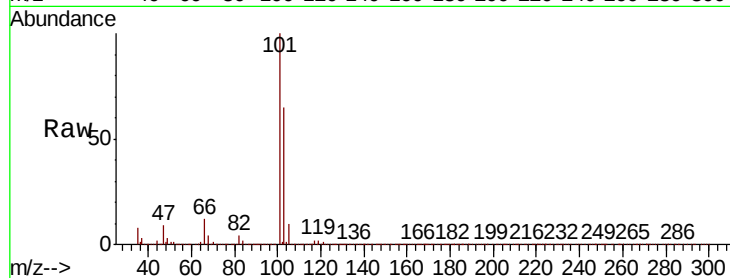
Trichlorofluoromethane
Concen: 45.975 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

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RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

Manual Integrations
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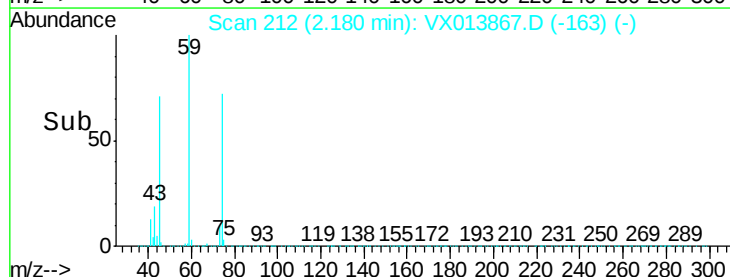
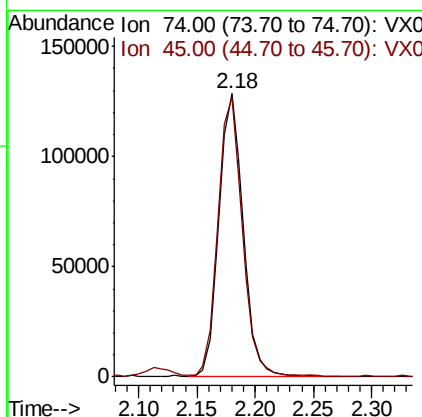
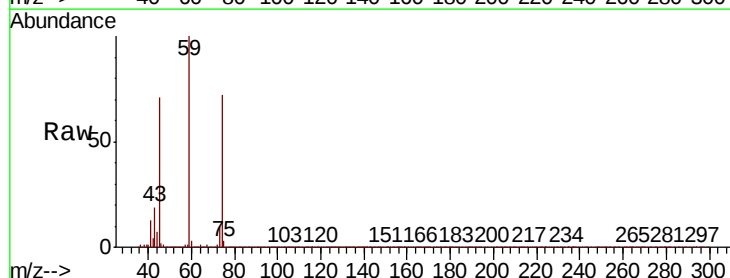
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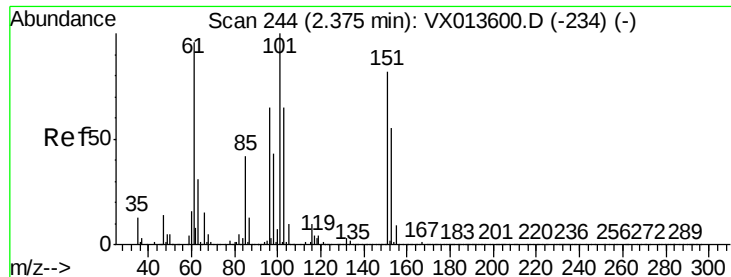


#8

Diethyl Ether
Concen: 47.428 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 245.638 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

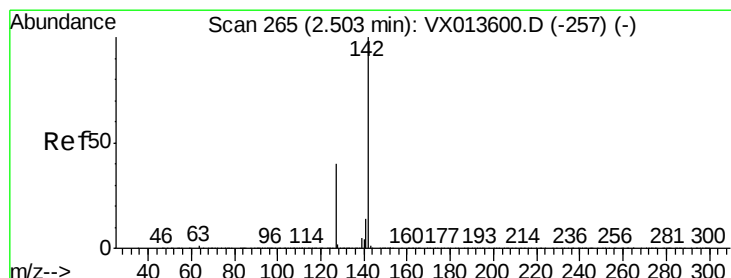
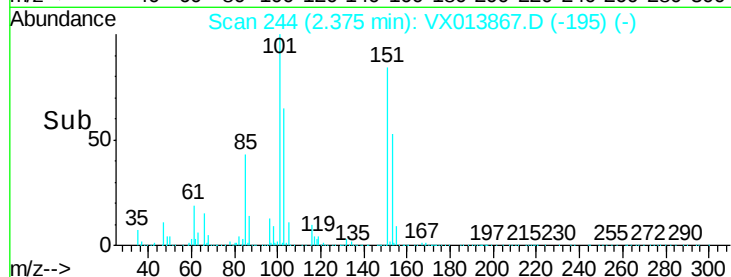
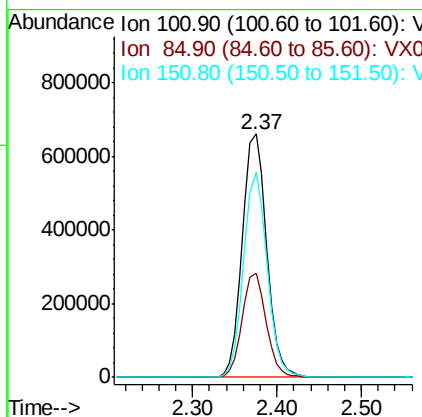
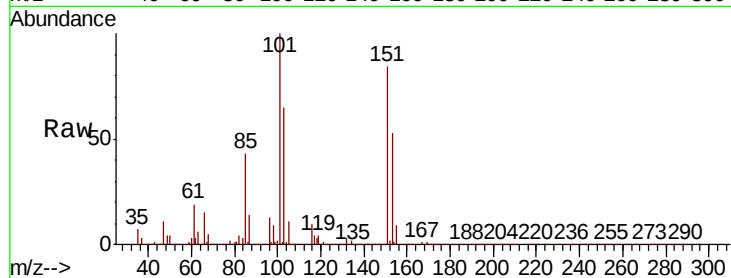
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	101	Resp:	1283411
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.9	50.9
151	81.7	64.2	96.2

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#10

Methyl Iodide

Concen: 45.674 ug/l

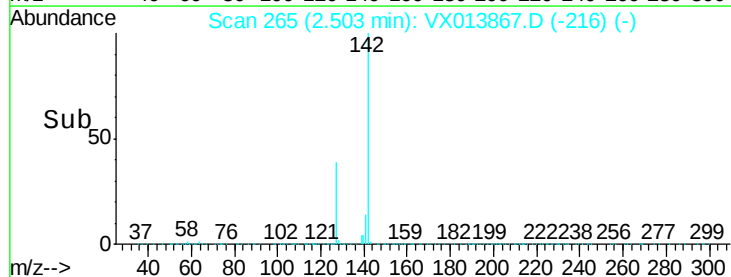
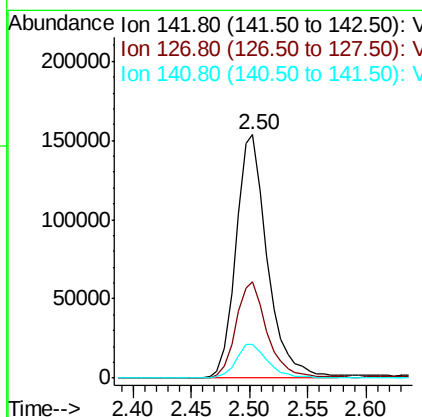
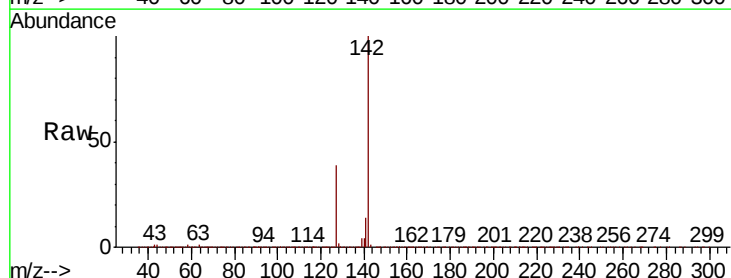
RT: 2.50 min Scan# 265

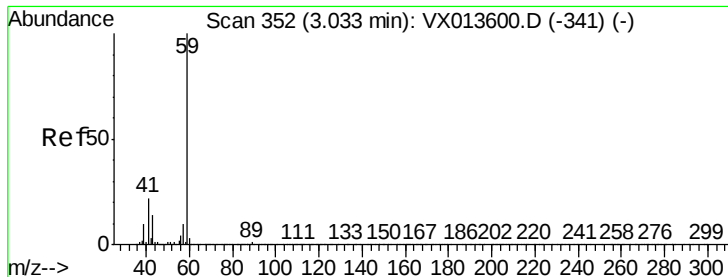
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	142	Resp:	288669
Ion Ratio	Lower	Upper	
142	100		
127	39.8	31.0	46.4
141	14.1	11.6	17.4





#11

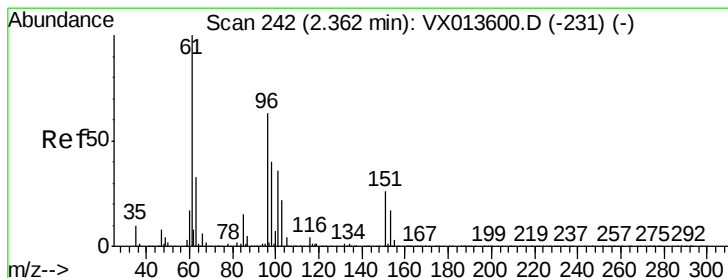
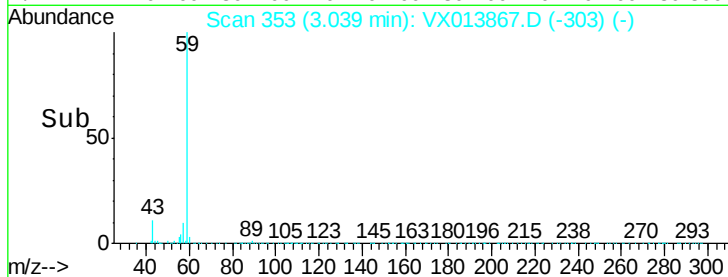
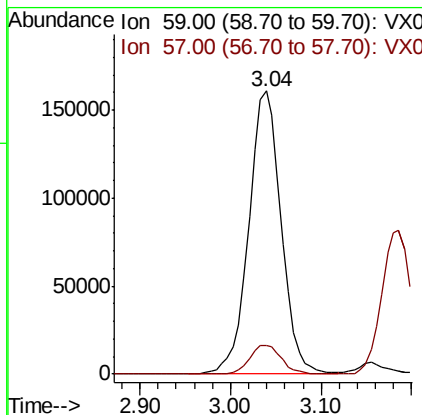
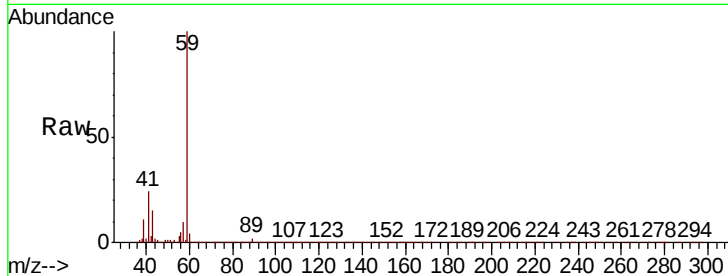
Tert butyl alcohol
Concen: 251.746 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

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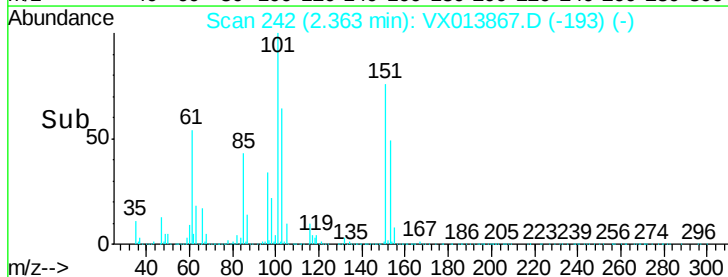
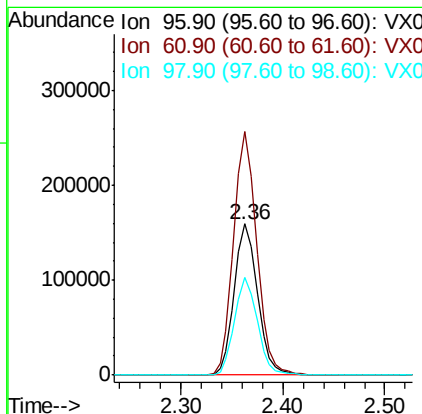
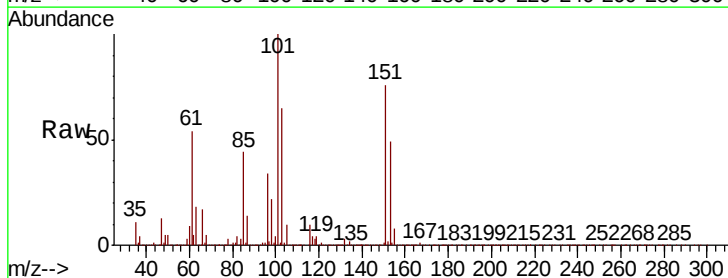
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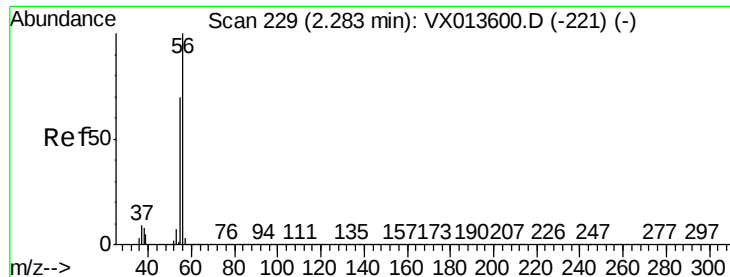


#12

1,1-Dichloroethene
Concen: 48.472 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	126.6	190.0
98	64.2	50.6	76.0





#13

Acrolein

Concen: 290.736 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 56 Resp: 306344

Ion Ratio Lower Upper

56 100

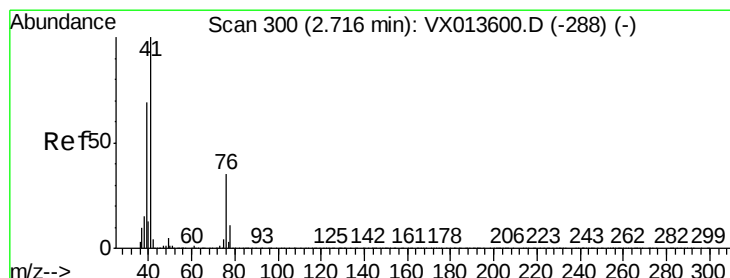
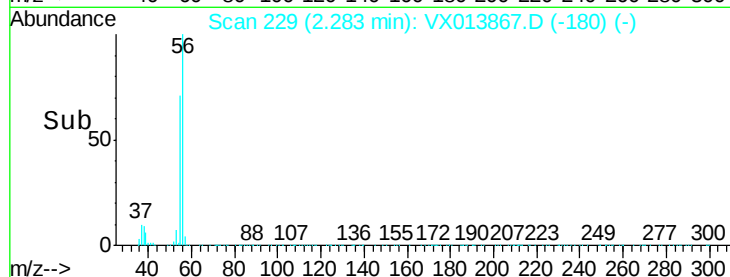
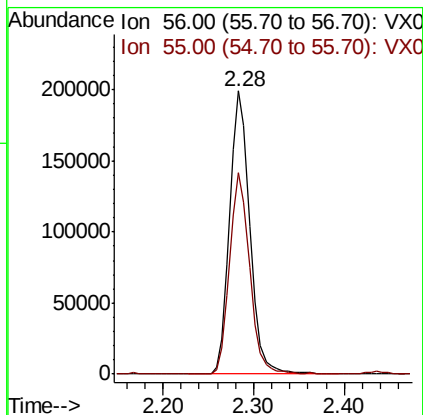
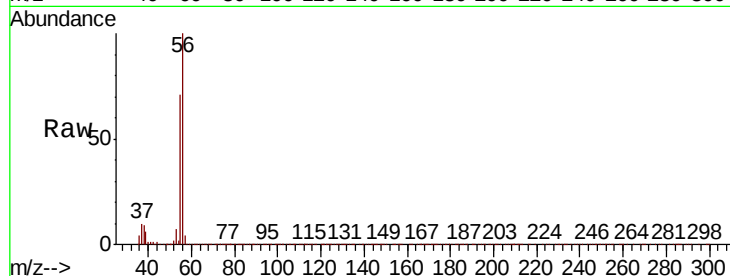
55 70.4 56.2 84.4

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#14

Allyl chloride

Concen: 46.792 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

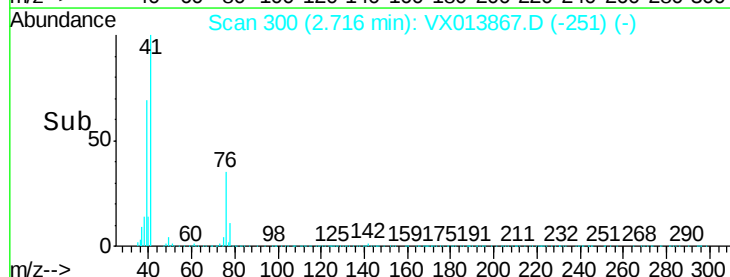
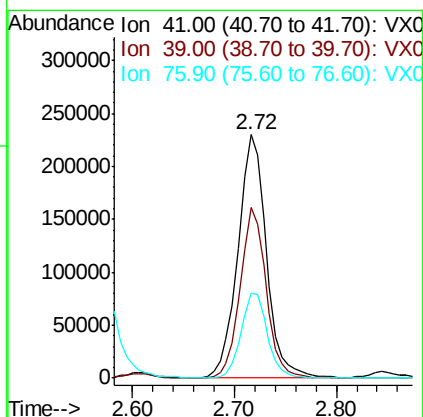
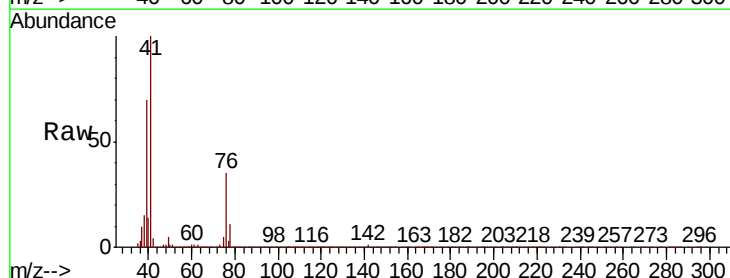
Tgt Ion: 41 Resp: 442861

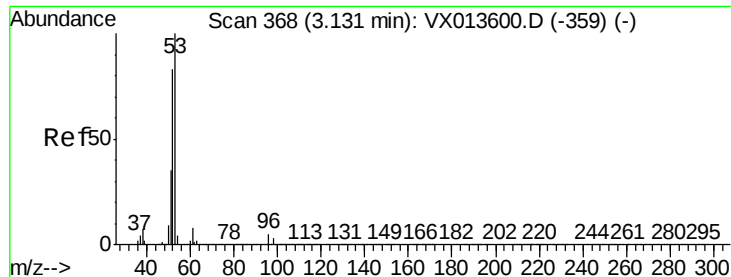
Ion Ratio Lower Upper

41 100

39 64.0 51.7 77.5

76 32.1 25.9 38.9





#15

Acrylonitrile

Concen: 254.107 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

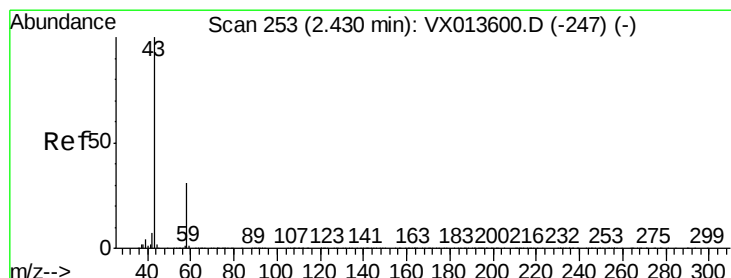
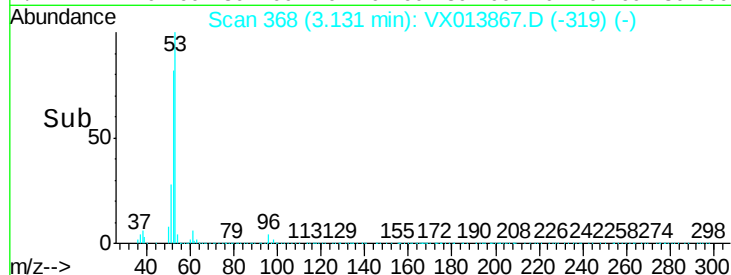
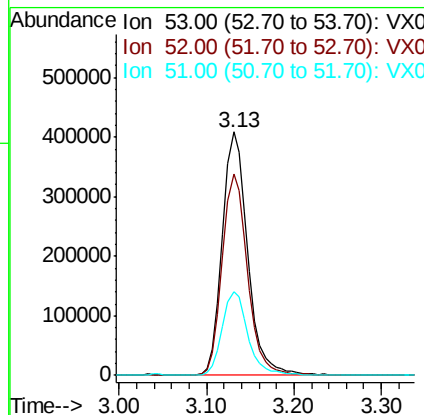
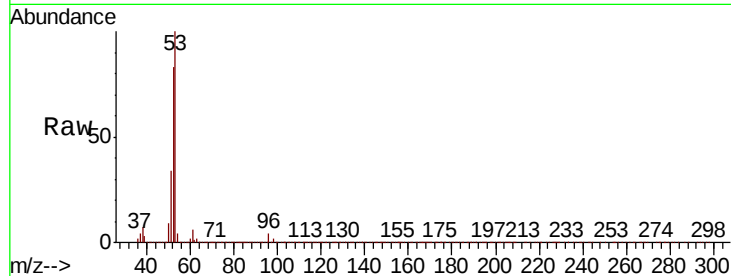
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	53	Resp:	823573
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	34.9	29.0	43.6

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#16

Acetone

Concen: 226.334 ug/l

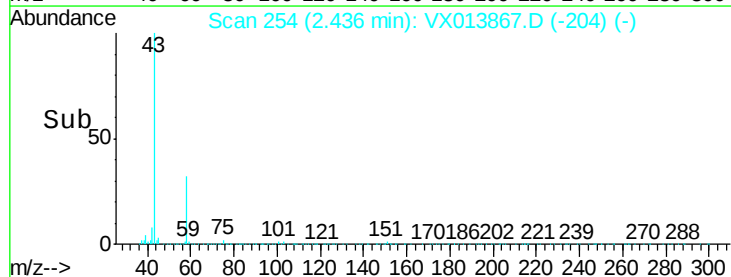
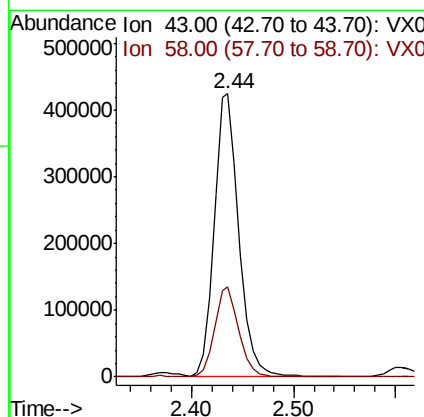
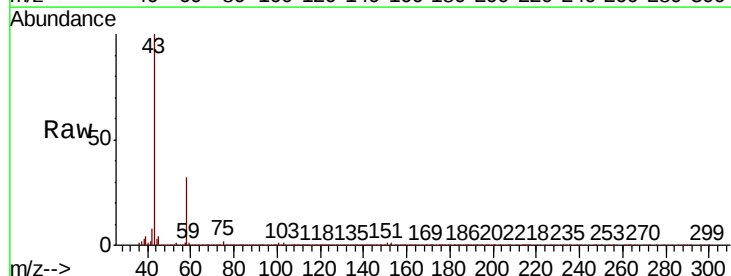
RT: 2.44 min Scan# 254

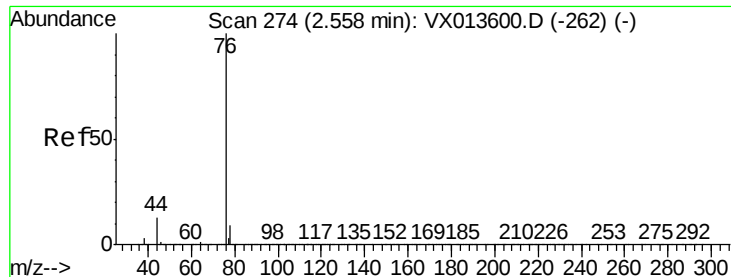
Delta R.T. 0.01 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	43	Resp:	710822
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.6	36.8





#17

Carbon Disulfide

Concen: 41.245 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 76 Resp: 613200

Ion Ratio Lower Upper

76 100

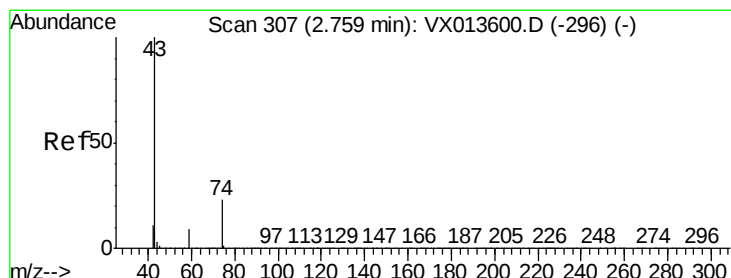
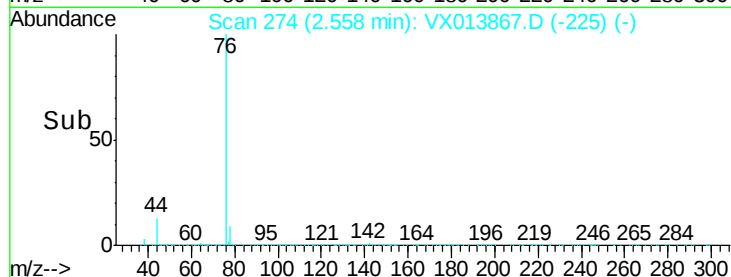
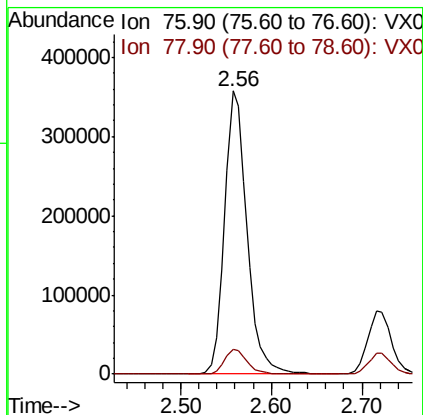
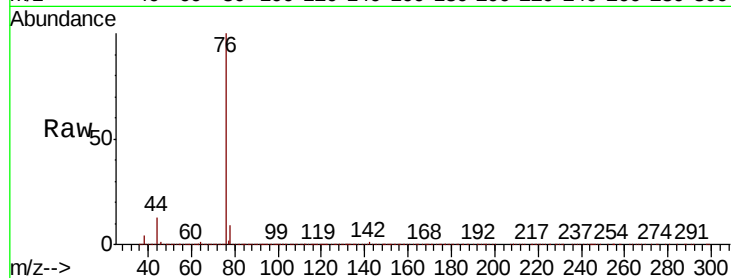
78 8.7 7.2 10.8

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#18

Methyl Acetate

Concen: 50.124 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013867.D

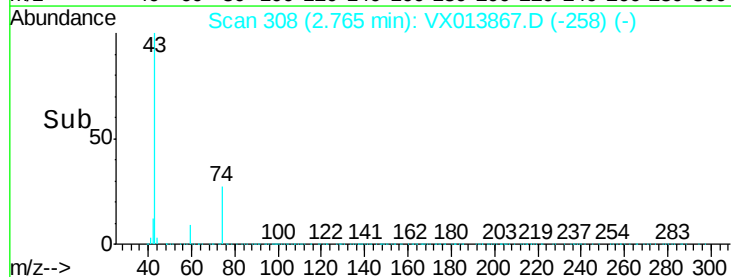
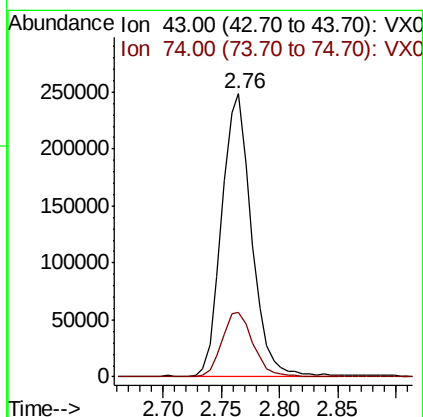
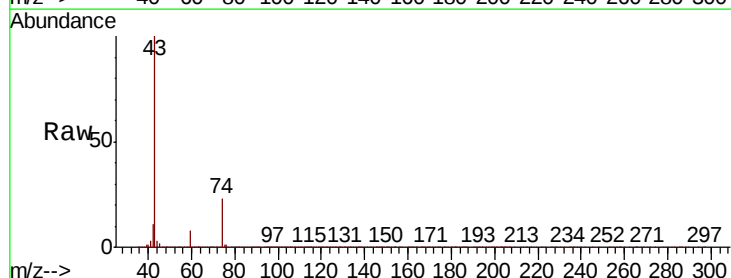
Acq: 09 Dec 2019 21:37

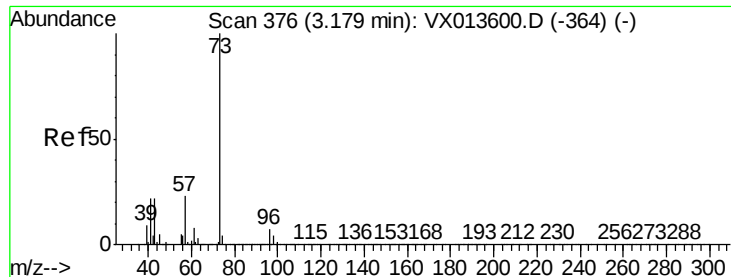
Tgt Ion: 43 Resp: 438347

Ion Ratio Lower Upper

43 100

74 23.8 19.5 29.3





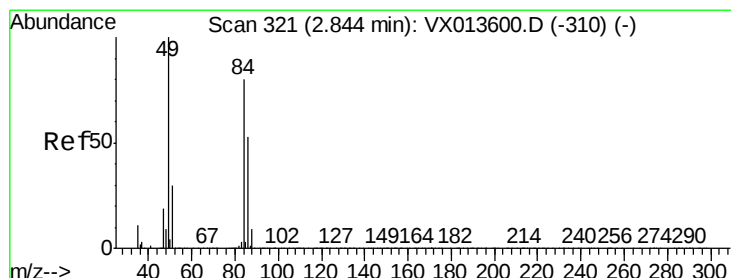
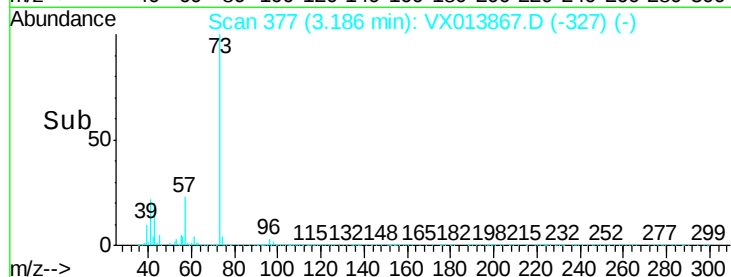
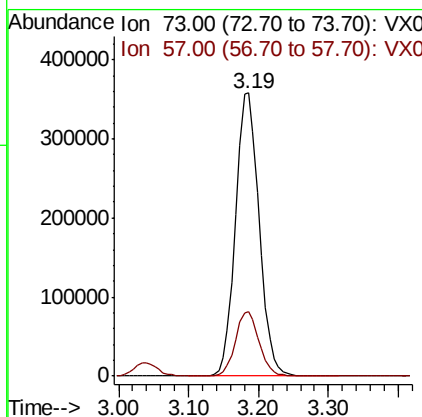
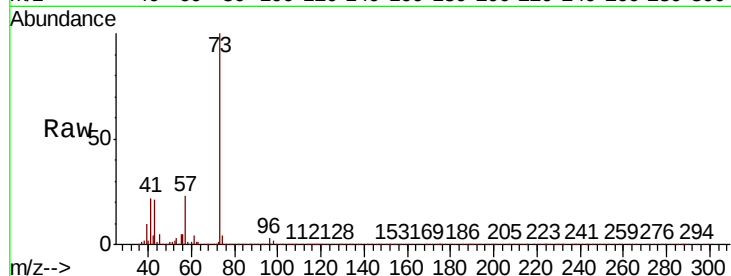
#19
Methvl tert-butvl Ether
Concen: 48.596 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5

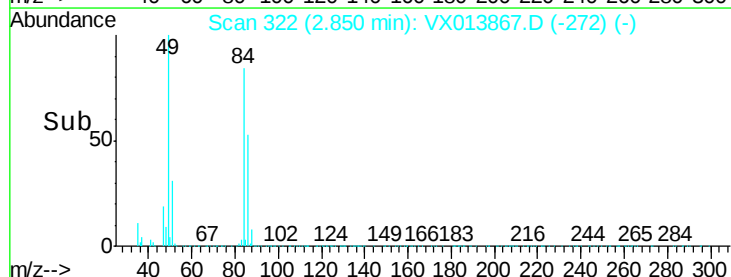
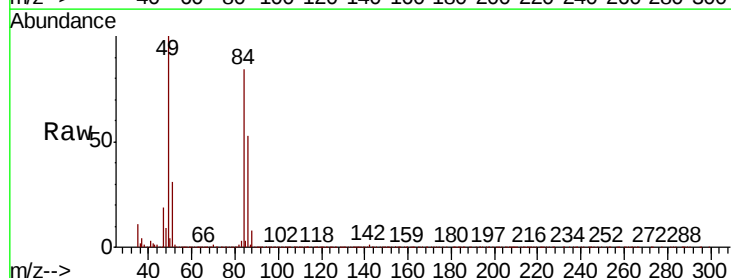
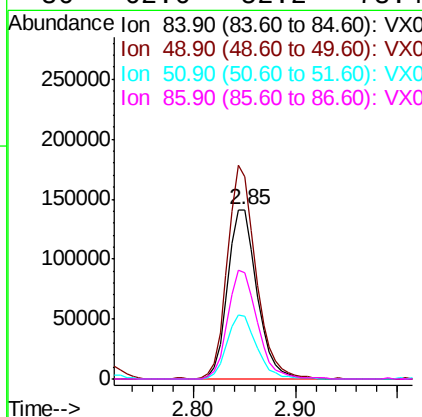
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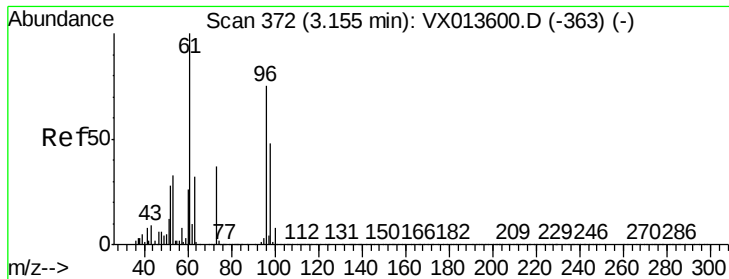
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#20
Methylene Chloride
Concen: 46.566 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	99.7	149.5
51	37.1	29.9	44.9
86	62.6	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 45.741 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

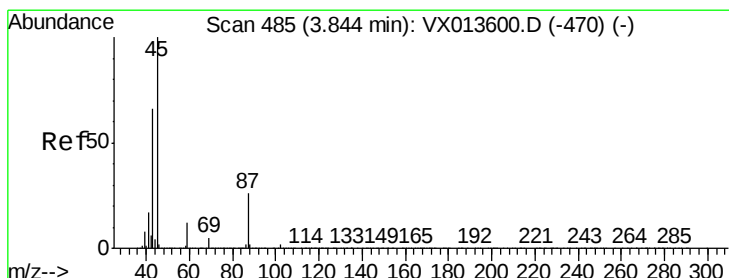
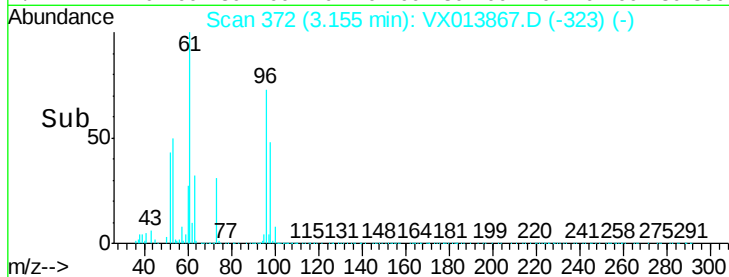
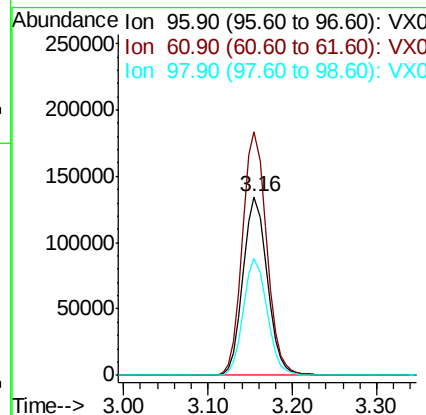
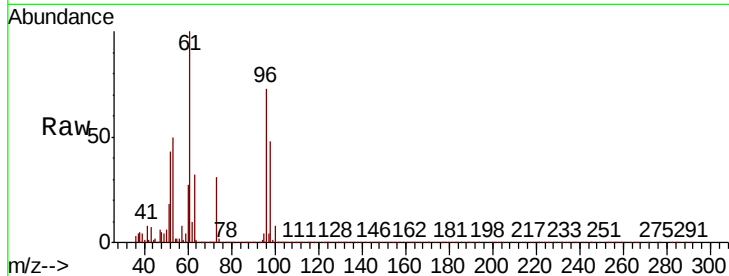
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	96	Resp:	259873
Ion Ratio	Lower	Upper	
96	100		
61	136.1	107.2	160.8
98	65.2	51.4	77.0

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#22

Diisopropyl ether

Concen: 49.993 ug/l

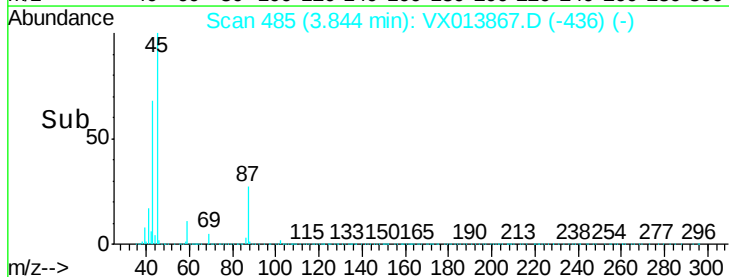
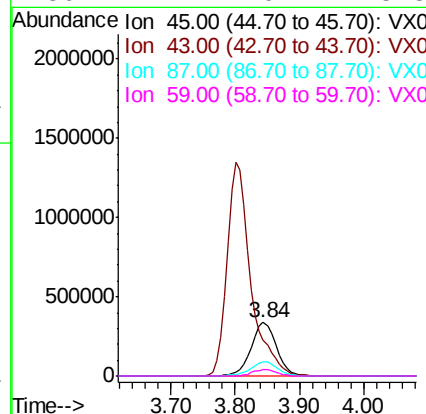
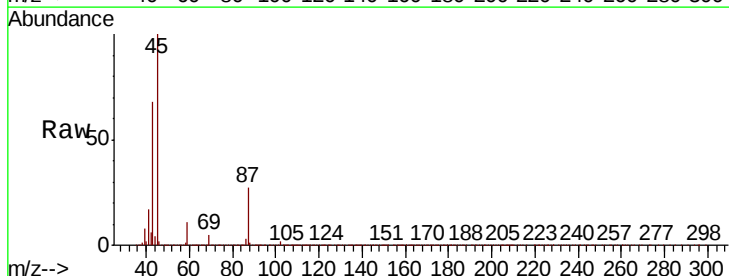
RT: 3.84 min Scan# 485

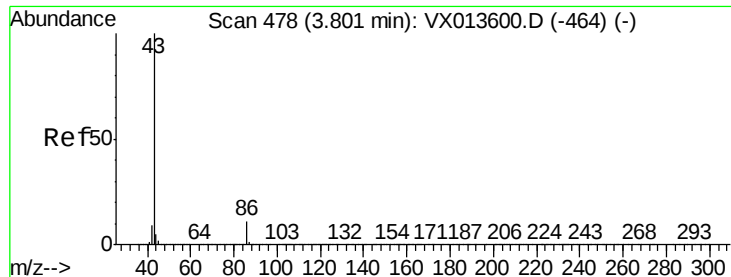
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	45	Resp:	911066
Ion Ratio	Lower	Upper	
45	100		
43	67.7	52.6	79.0
87	26.7	21.1	31.7
59	11.1	9.2	13.8





#23

Vinyl Acetate

Concen: 229.691 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 43 Resp: 3482216

Ion Ratio Lower Upper

43 100

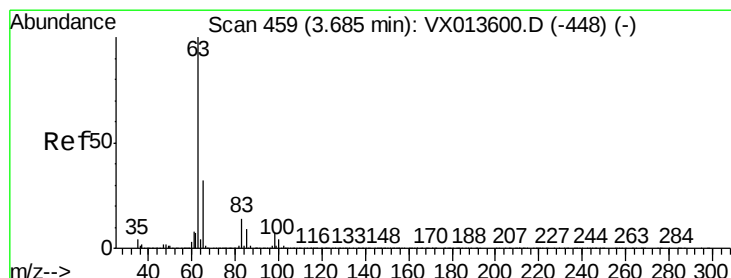
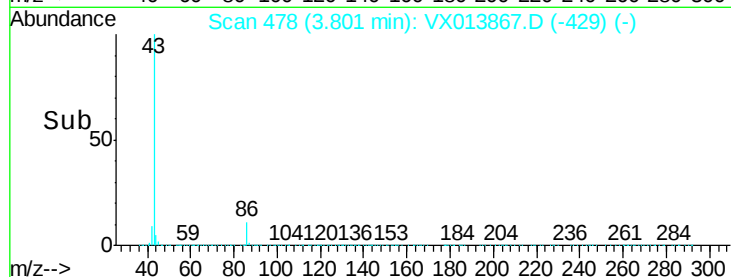
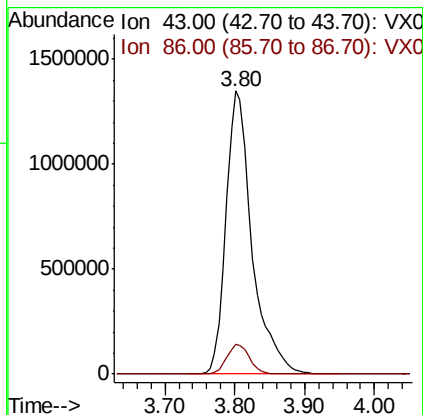
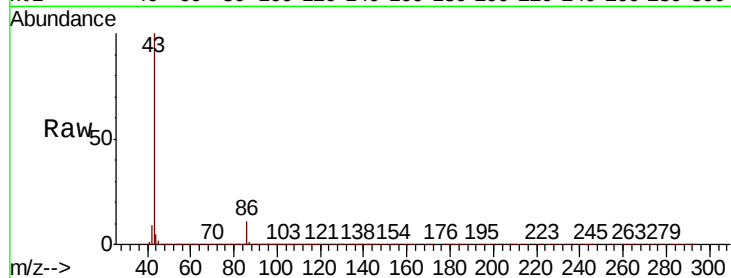
86 10.7 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 49.591 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

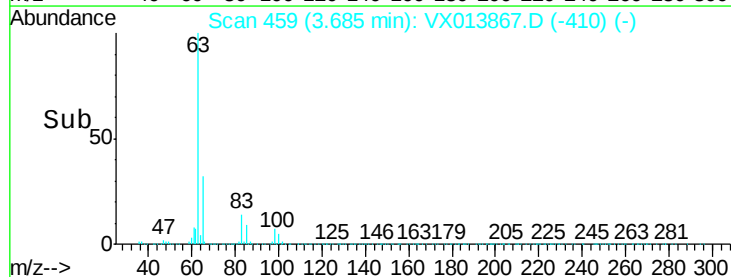
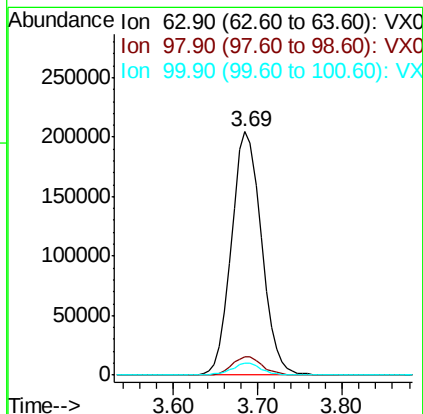
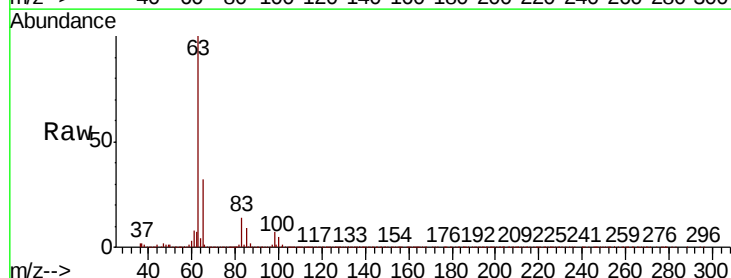
Tgt Ion: 63 Resp: 494046

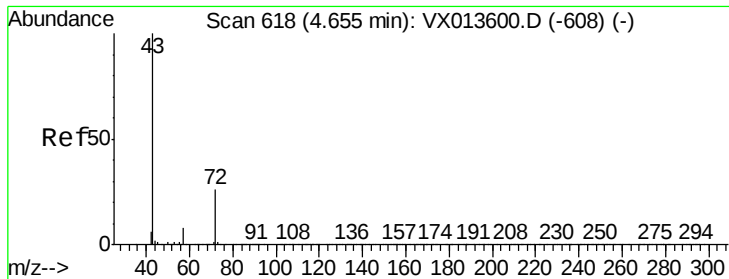
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 5.0 2.1 6.3





#25

2-Butanone

Concen: 249.074 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 43 Resp: 1162554

Ion Ratio Lower Upper

43 100

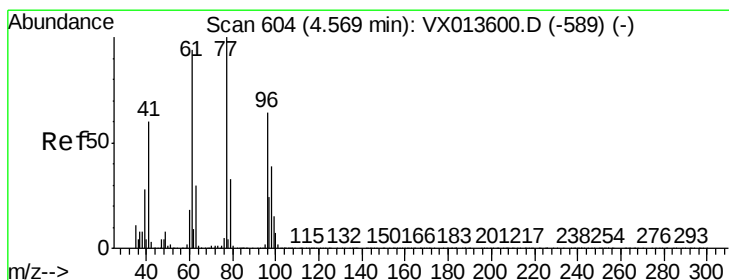
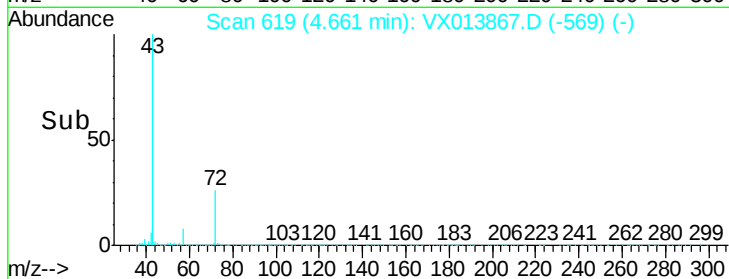
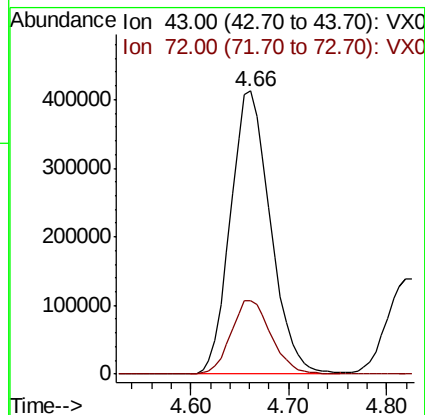
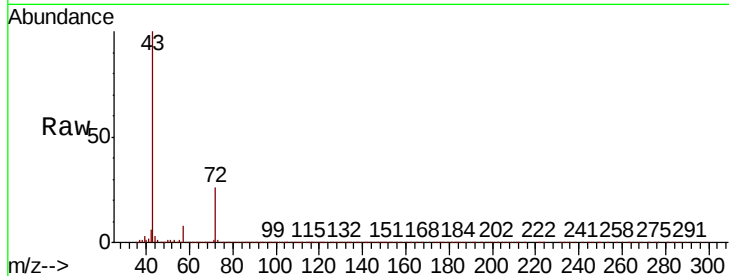
72 25.7 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 38.410 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX013867.D

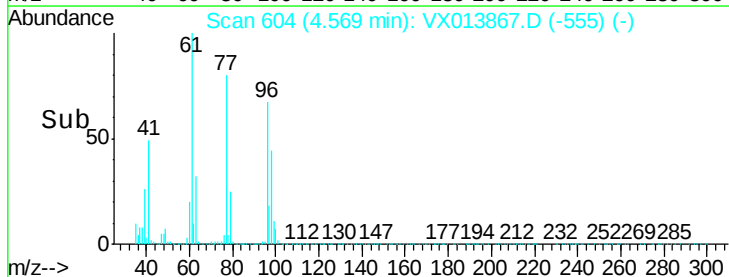
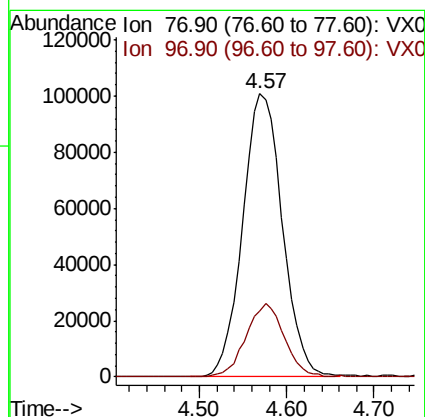
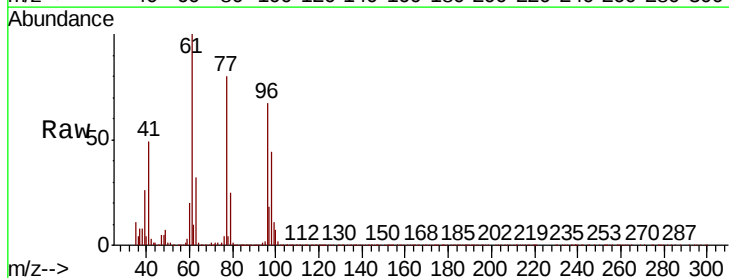
Acq: 09 Dec 2019 21:37

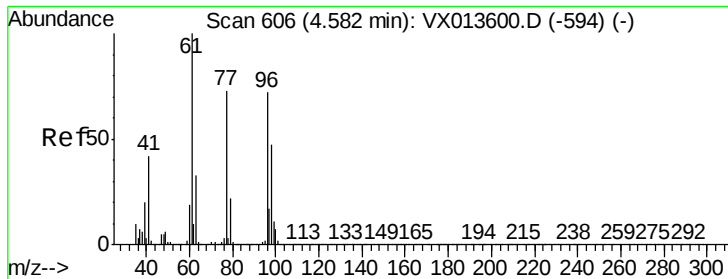
Tgt Ion: 77 Resp: 316598

Ion Ratio Lower Upper

77 100

97 24.8 12.0 36.1





#27

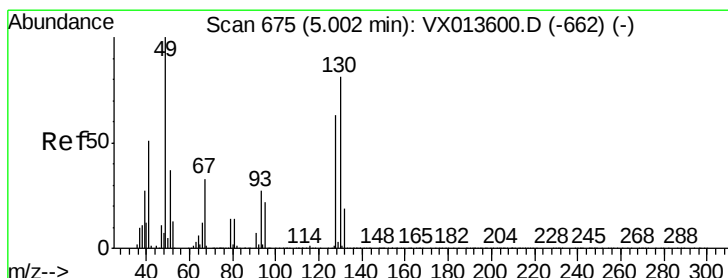
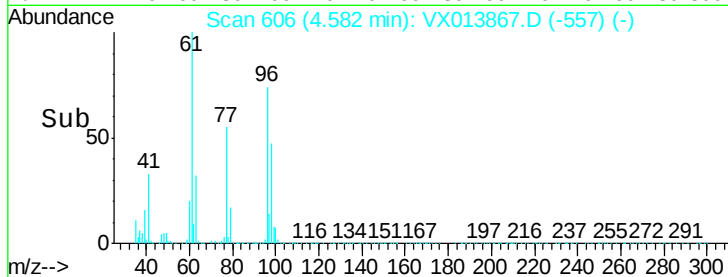
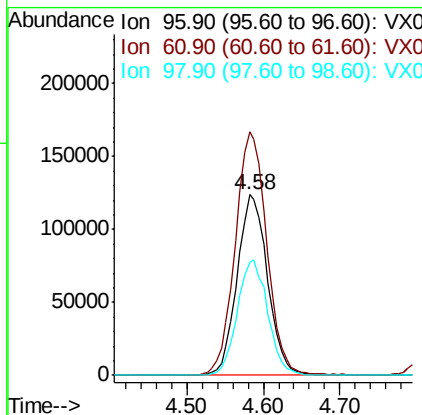
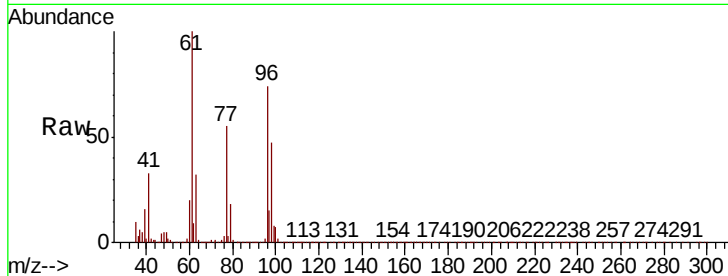
cis-1,2-Dichloroethene
Concen: 52.352 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.9	0.0	286.4	
98	63.8	0.0	127.4	

Manual Integrations
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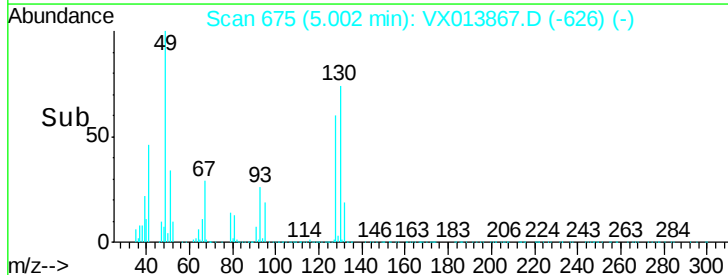
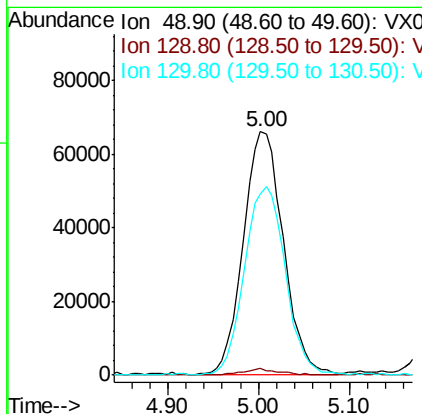
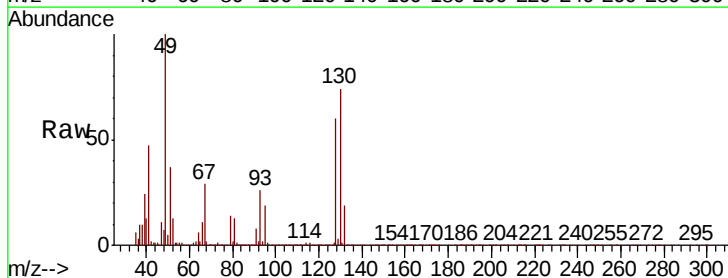
apatel
12/11/2019 8:54:39 AM

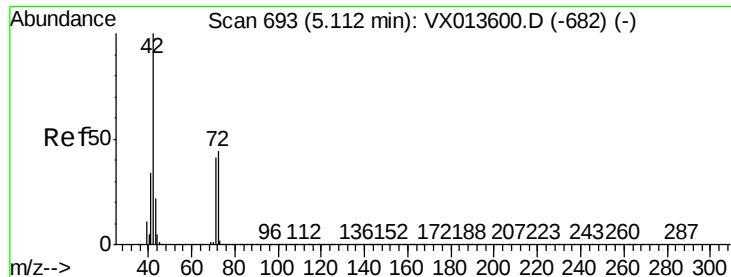


#28

Bromochloromethane
Concen: 51.044 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.0	
130	78.8	65.4	98.0	





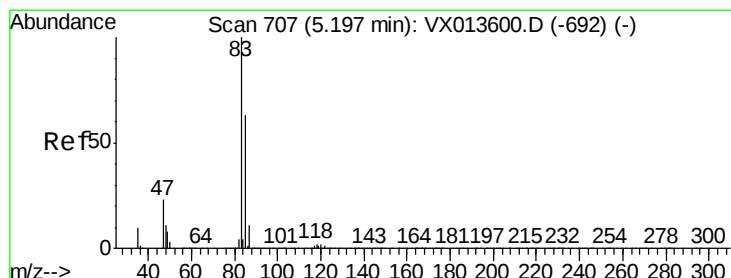
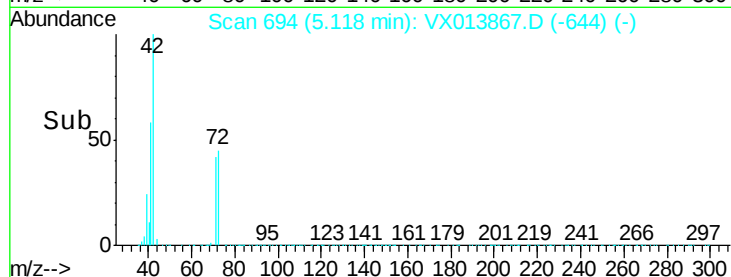
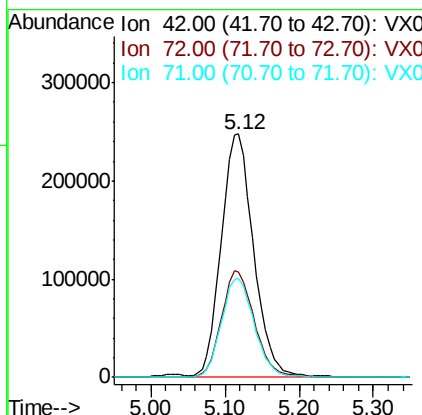
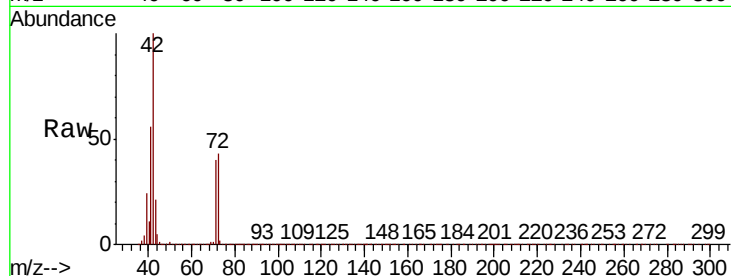
#29
Tetrahydrofuran
Concen: 259.608 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.3	54.5
71	41.7	33.2	49.8

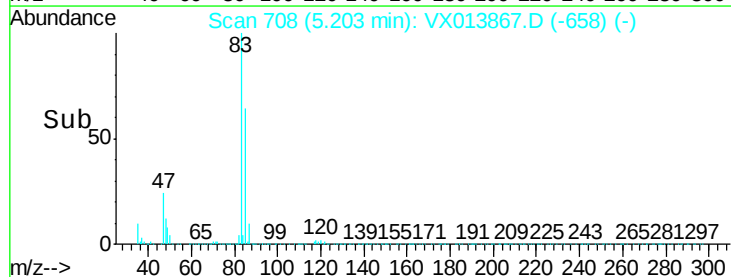
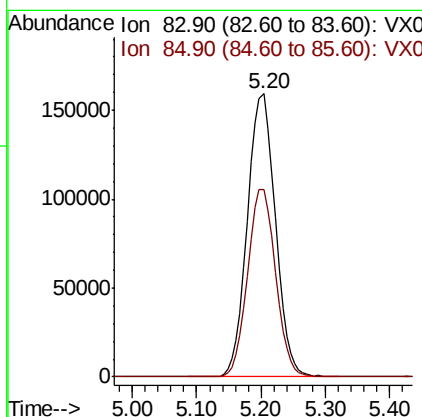
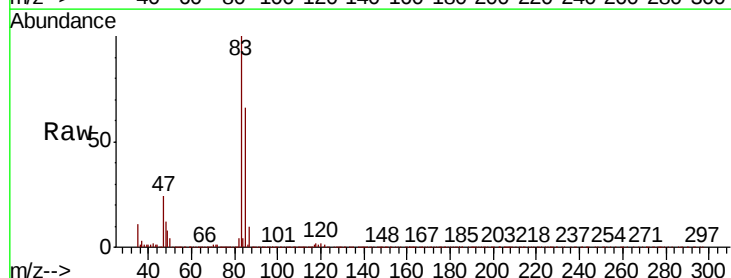
Manual Integrations
APPROVED

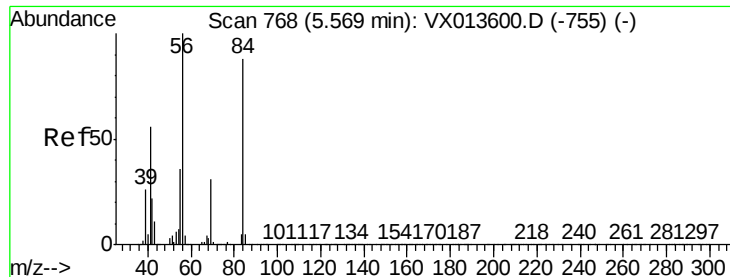
apatel
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#30
Chloroform
Concen: 47.013 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.2	75.4





#31

Cyclohexane

Concen: 45.231 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

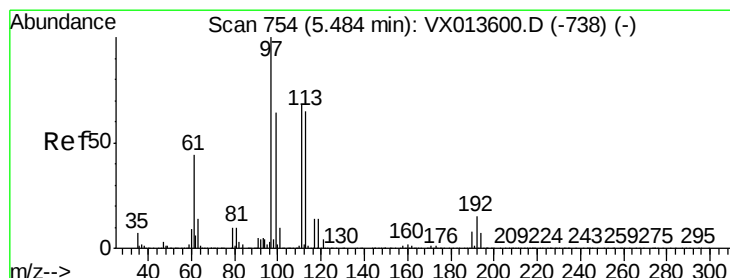
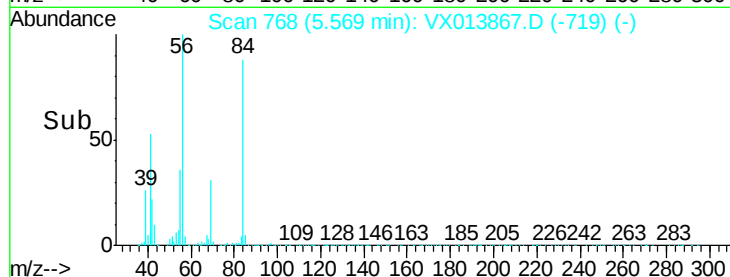
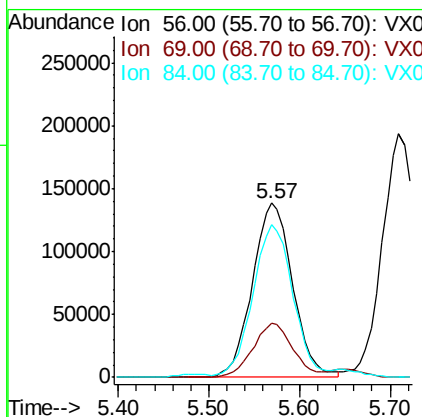
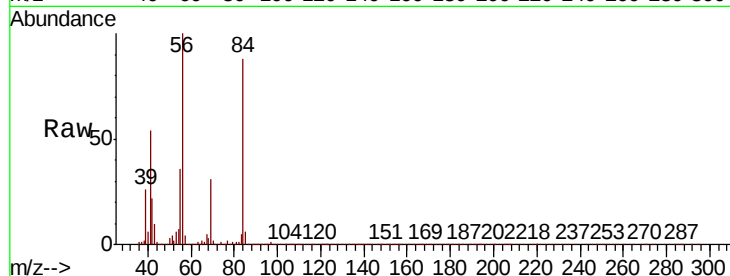
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	56	Resp:	425019
Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	36.8
84	86.3	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.244 ug/l

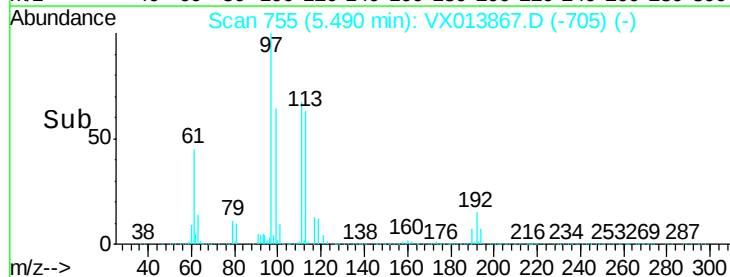
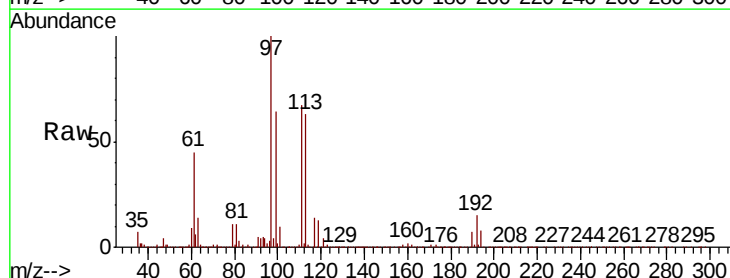
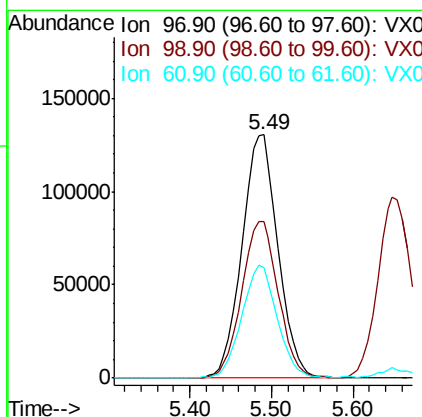
RT: 5.49 min Scan# 755

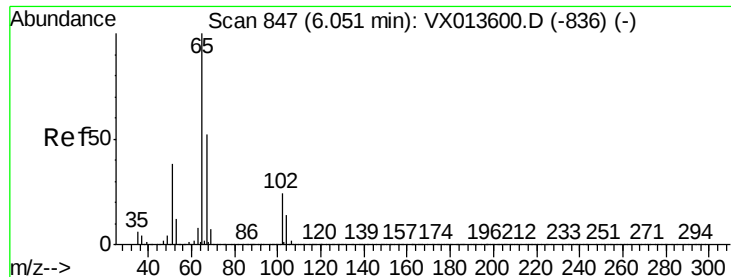
Delta R.T. 0.01 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	97	Resp:	398886
Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	45.5	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 45.093 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 65 Resp: 286843

Ion Ratio Lower Upper

65 100

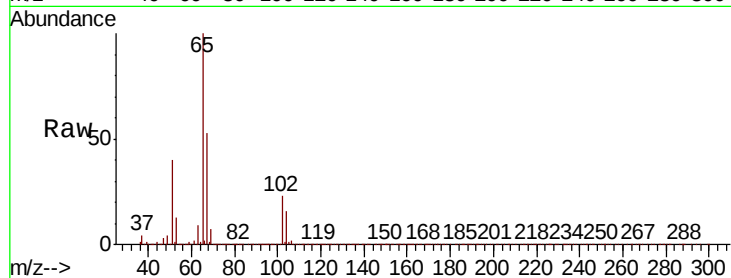
67 52.6 0.0 104.4

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

120000

100000

80000

60000

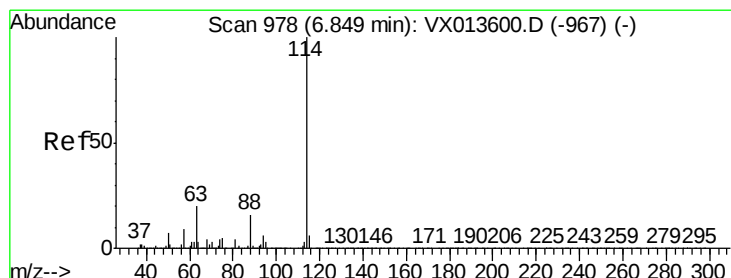
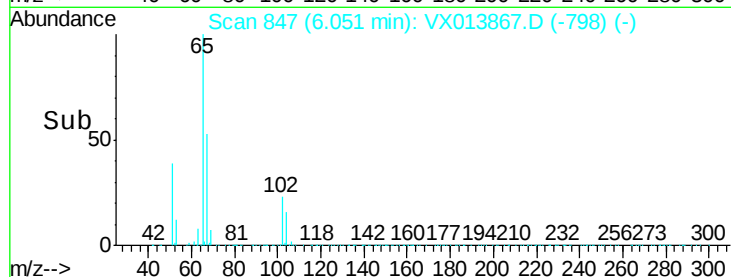
40000

20000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

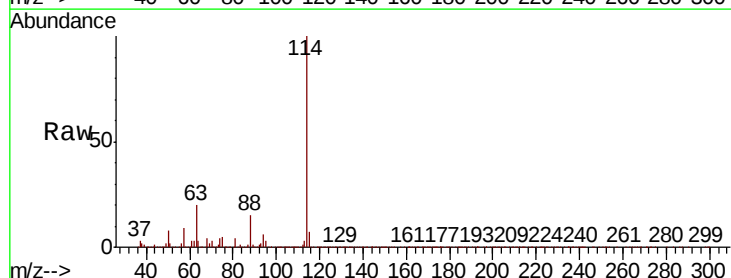
Tgt Ion: 114 Resp: 858691

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

500000

400000

300000

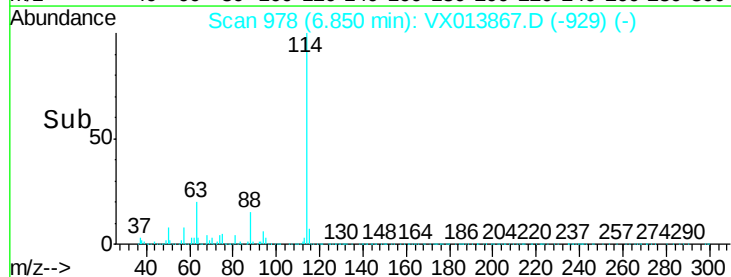
200000

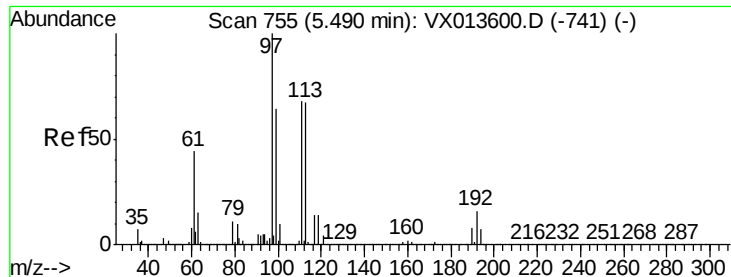
100000

0

6.70 6.80 6.90 7.00

Time-->





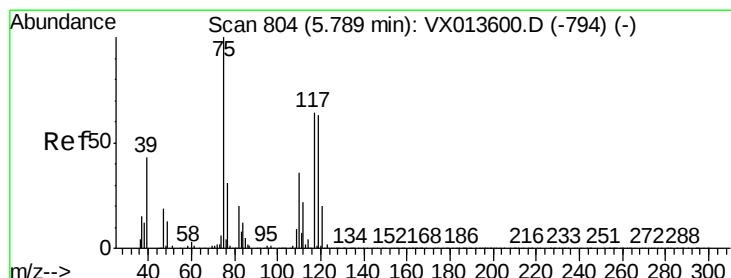
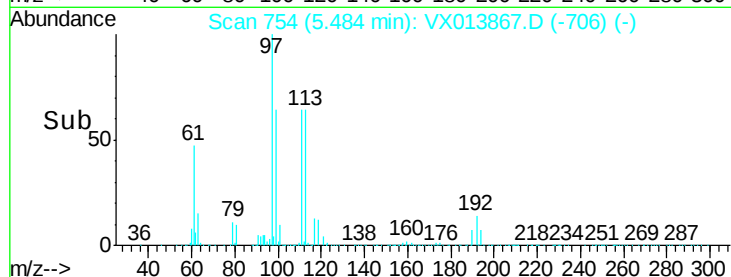
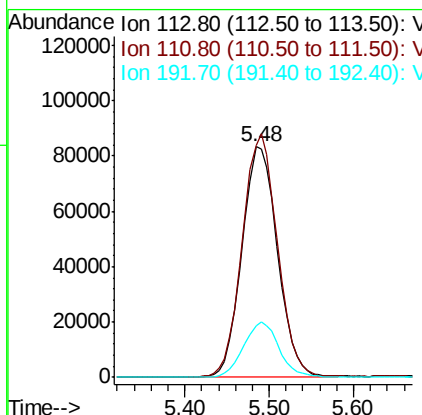
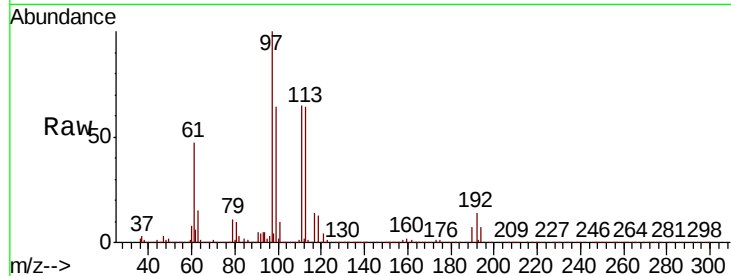
#35
Dibromofluoromethane
Concen: 44.882 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238255		
111	104.7	83.6	125.4	
192	24.0	19.2	28.8	

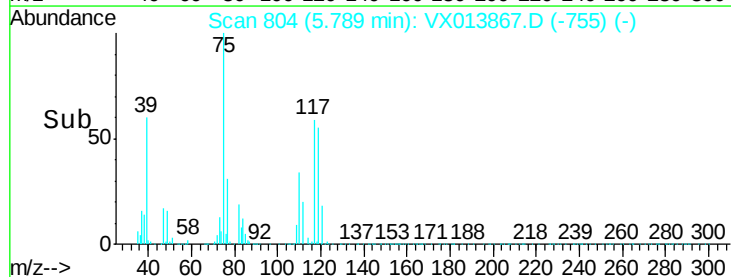
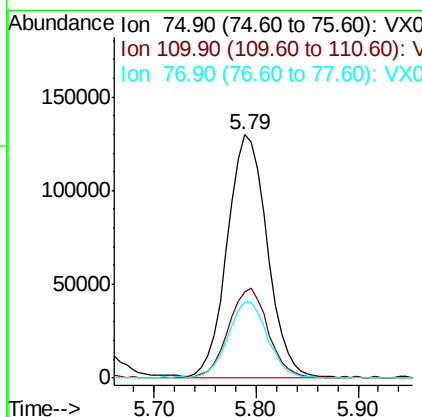
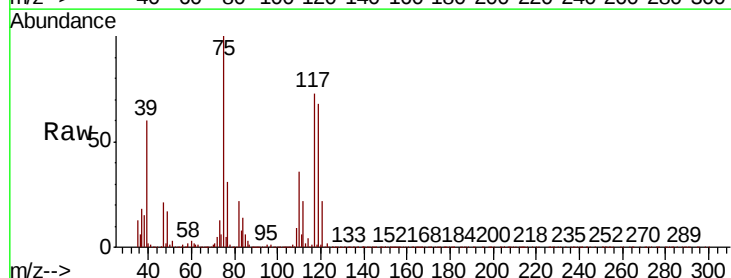
Manual Integrations
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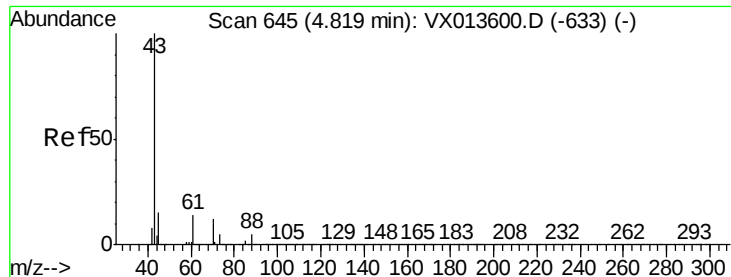
apatel
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#36
1,1-Dichloropropene
Concen: 45.166 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	352061		
110	36.8	18.1	54.1	
77	30.8	24.5	36.7	





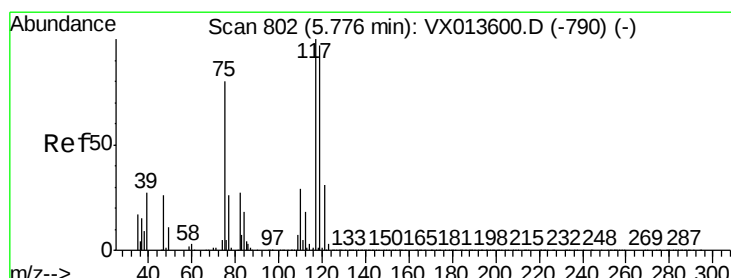
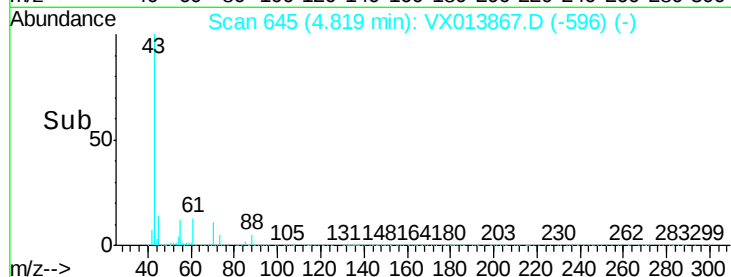
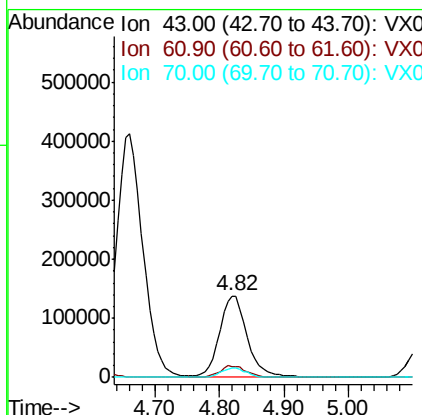
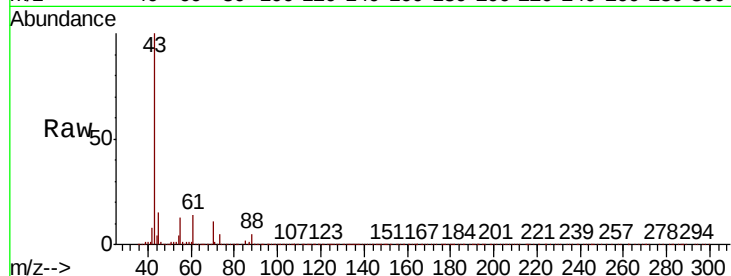
#37
Ethyl Acetate
Concen: 47.227 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	10.7	8.6	12.8

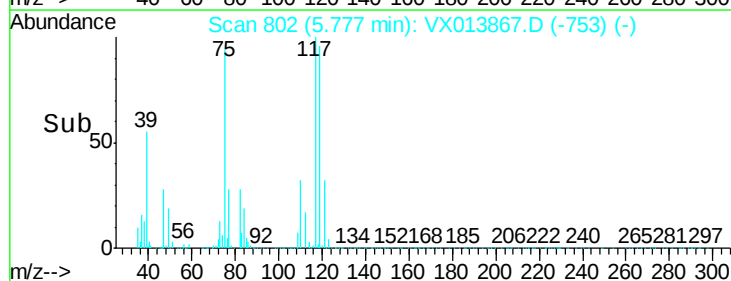
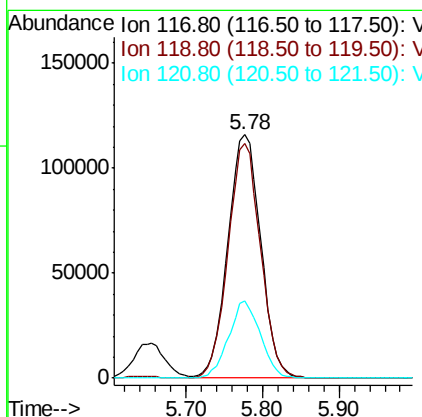
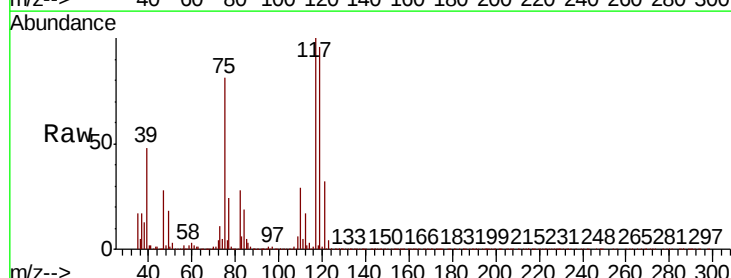
Manual Integrations
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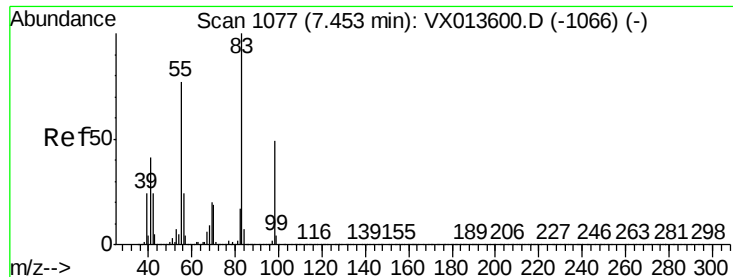
apatel
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#38
Carbon Tetrachloride
Concen: 47.772 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
121	31.6	25.0	37.6





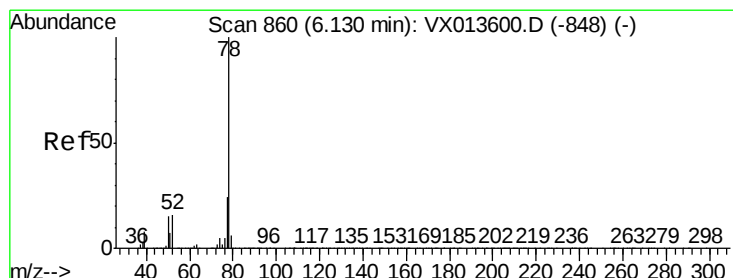
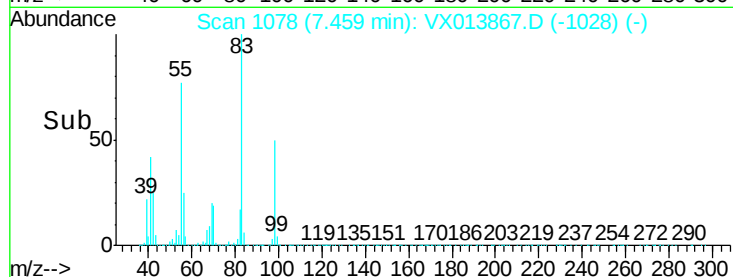
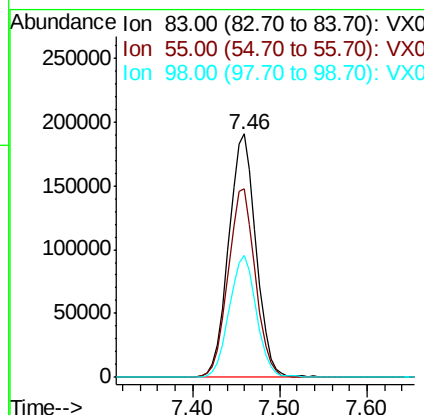
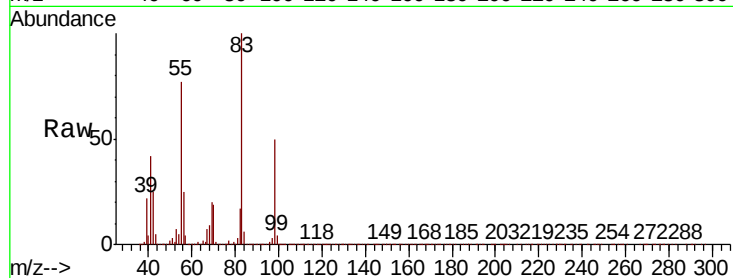
#39
Methvlcvclohexane
Concen: 42.972 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	61.9	92.9
98	50.1	39.4	59.0

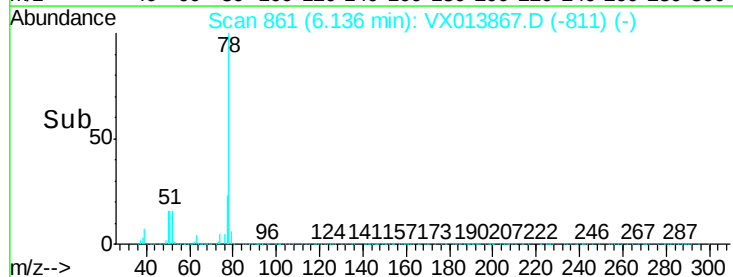
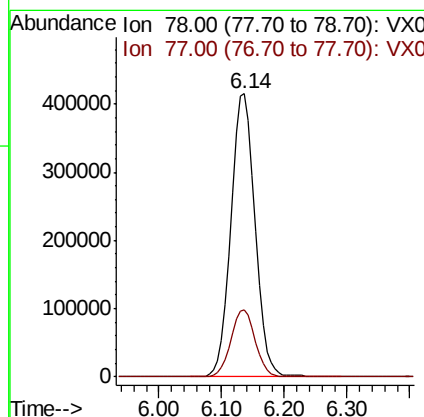
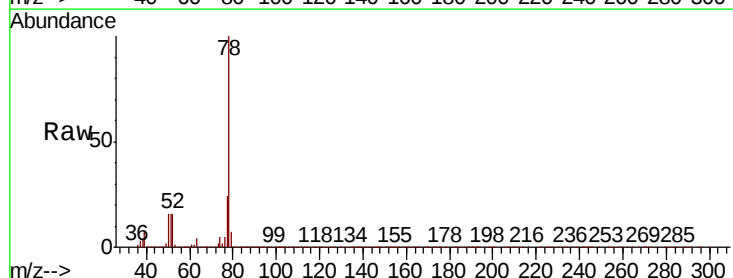
Manual Integrations
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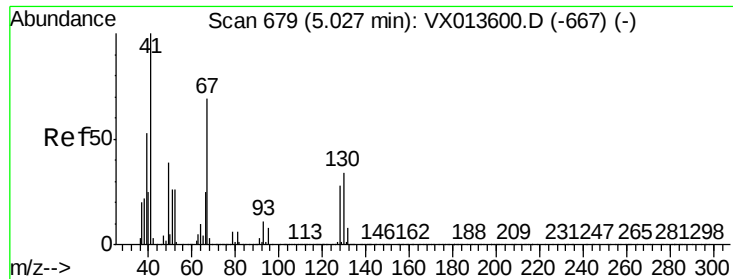
apatel
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#40
Benzene
Concen: 46.614 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 51.628 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

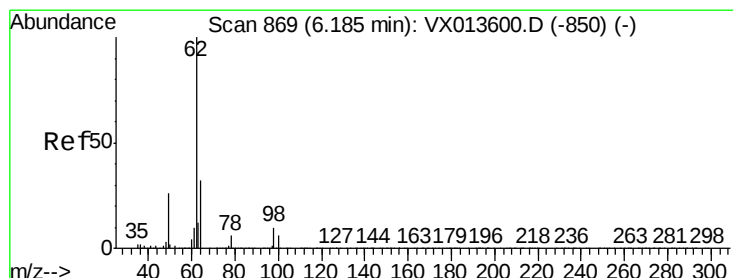
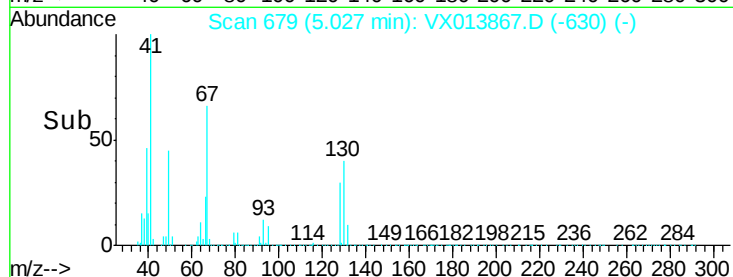
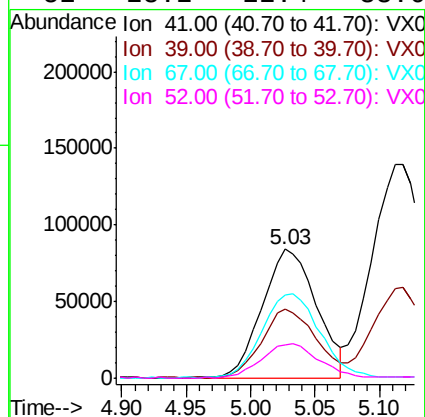
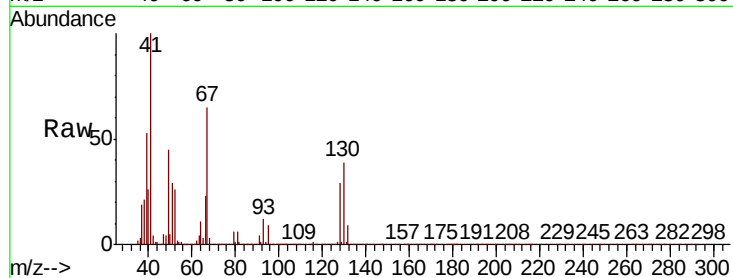
ClientSampleId :

RE131D2-20191204MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.9	64.3	
67	69.5	57.4	86.0	
52	28.2	22.4	33.6	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.259 ug/l

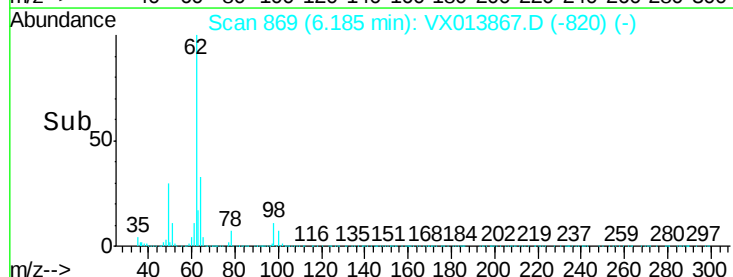
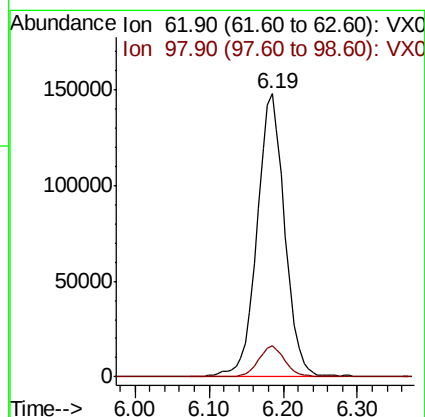
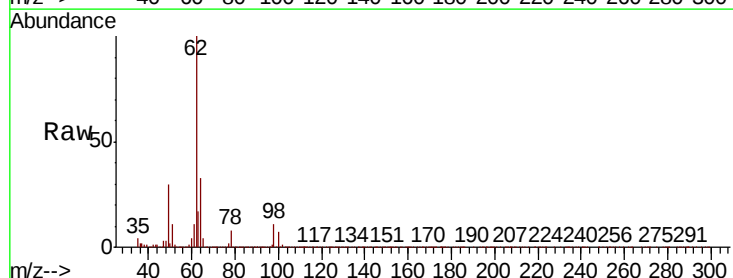
RT: 6.19 min Scan# 869

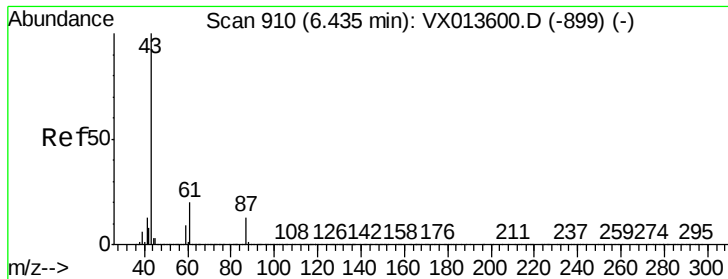
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.8	





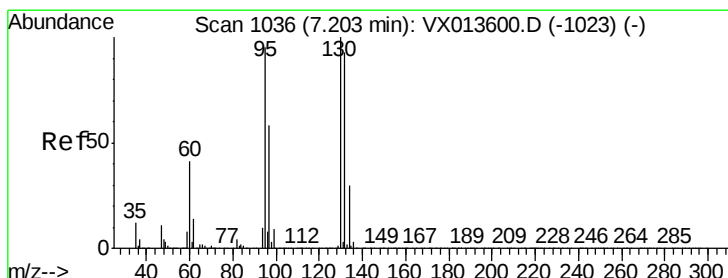
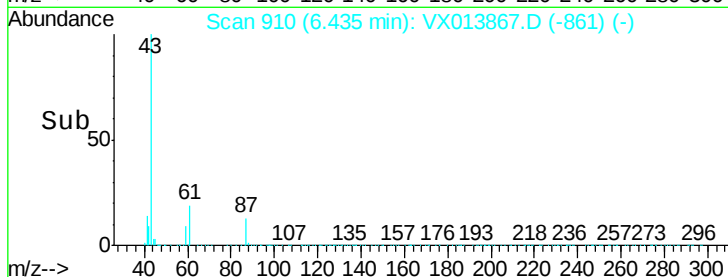
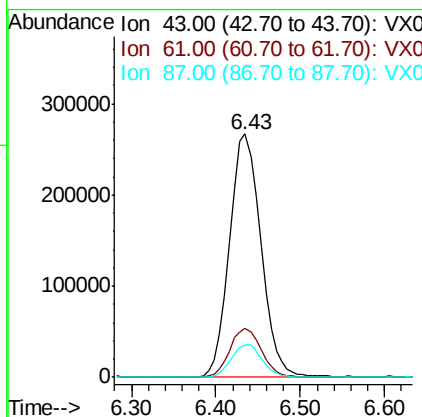
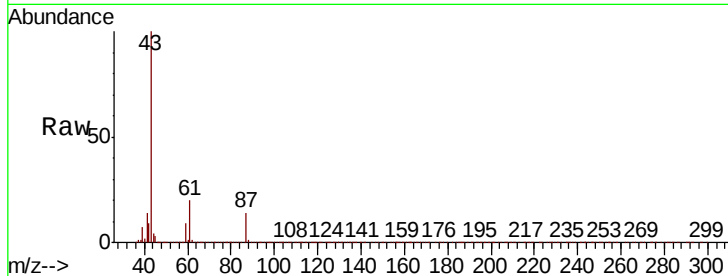
#43
Isopropyl Acetate
Concen: 46.610 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.3	24.5
87	13.3	10.8	16.2

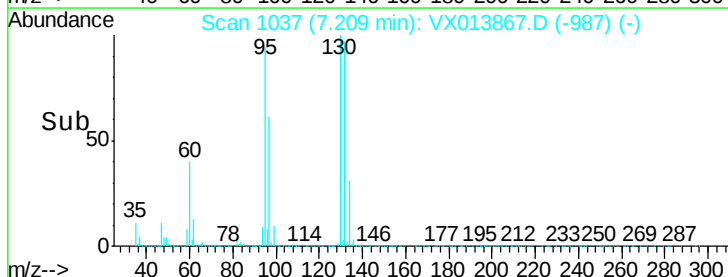
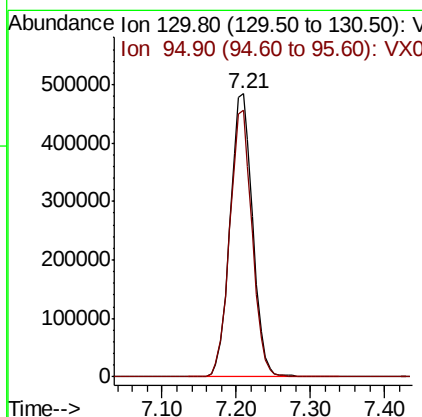
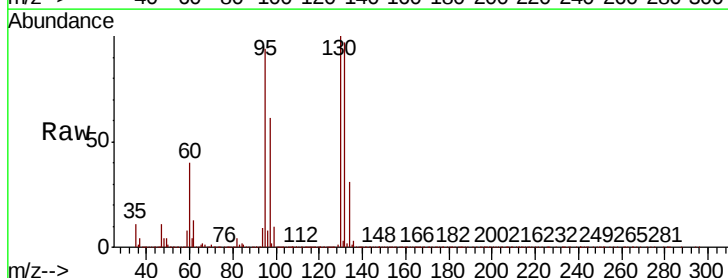
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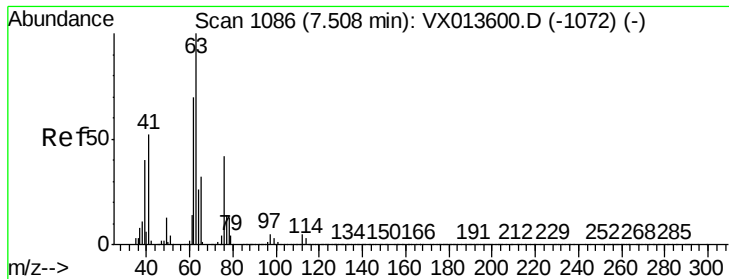
apatel
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#44
Trichloroethene
Concen: 158.019 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	190.8





#45

1,2-Dichloropropane

Concen: 49.050 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 63 Resp: 291345

Ion Ratio Lower Upper

63 100

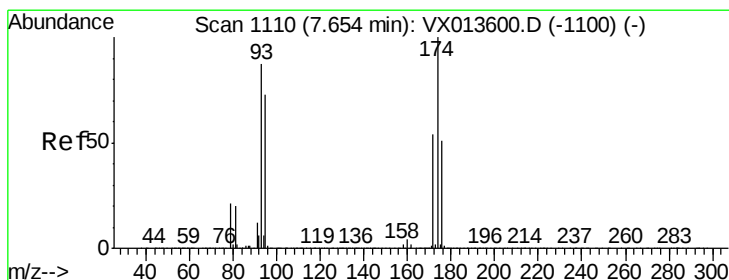
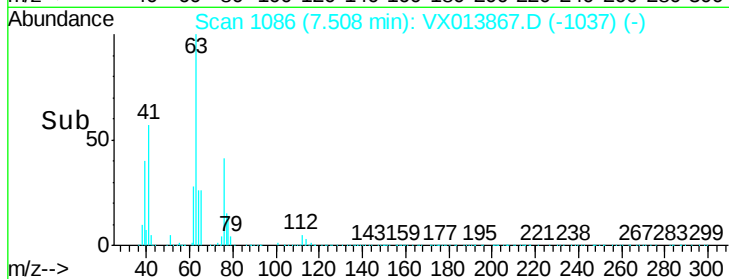
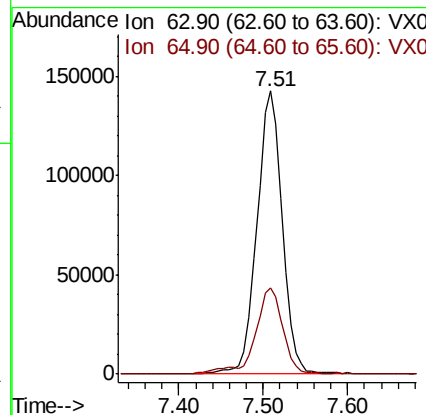
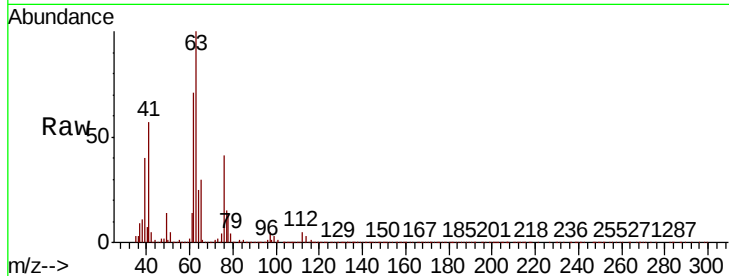
65 30.2 25.5 38.3

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#46

Dibromomethane

Concen: 46.574 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

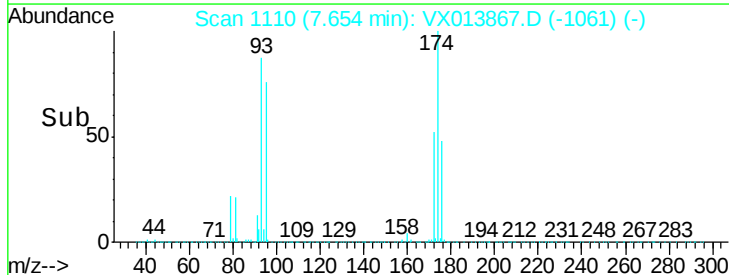
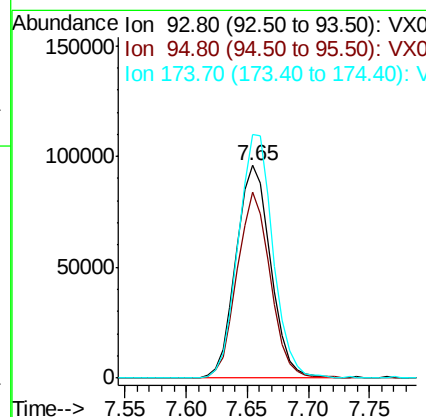
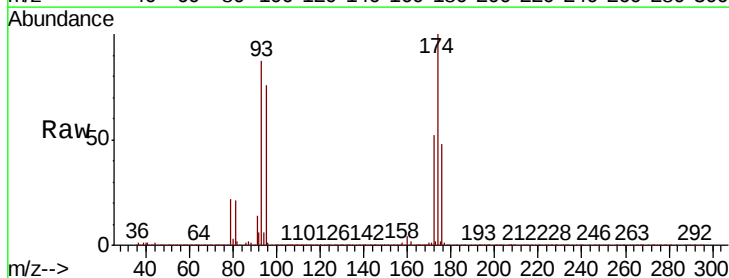
Tgt Ion: 93 Resp: 187885

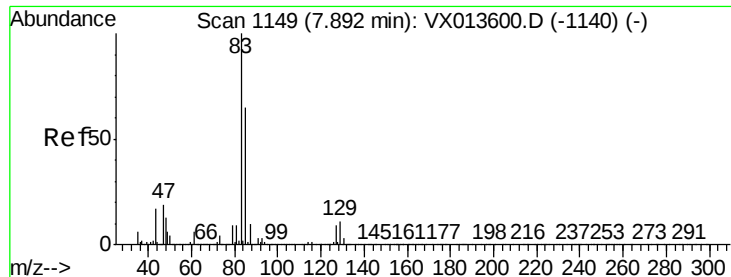
Ion Ratio Lower Upper

93 100

95 83.5 66.2 99.2

174 115.9 93.4 140.0





#47

Bromodichloromethane

Concen: 48.377 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

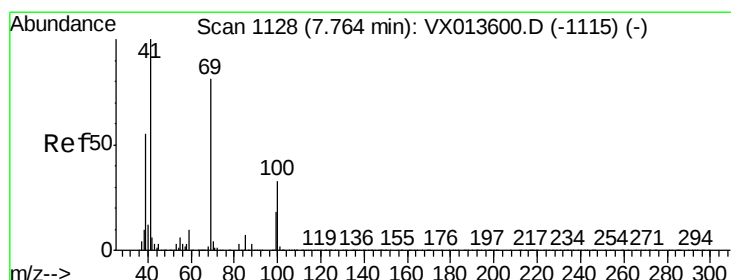
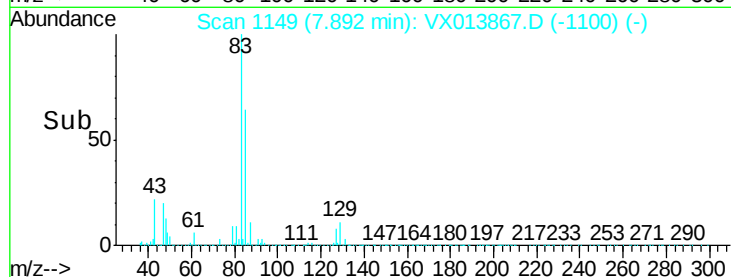
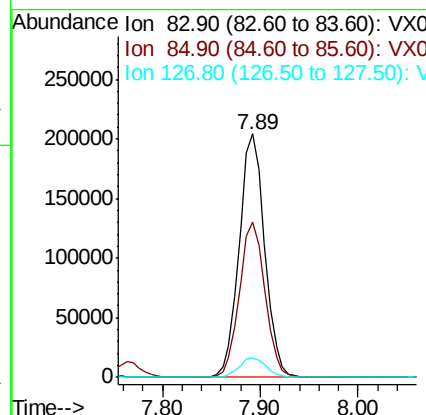
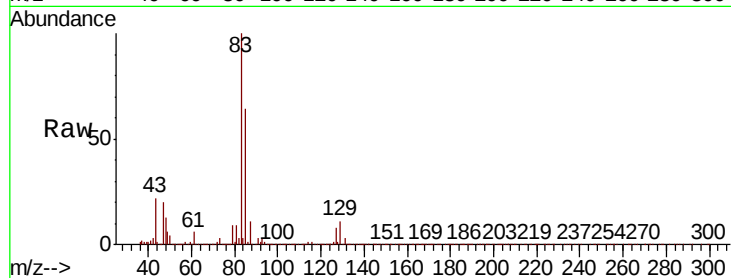
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	83	Resp:	368937
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.1	78.1
127	8.1	7.0	10.4

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#48

Methyl methacrylate

Concen: 49.963 ug/l

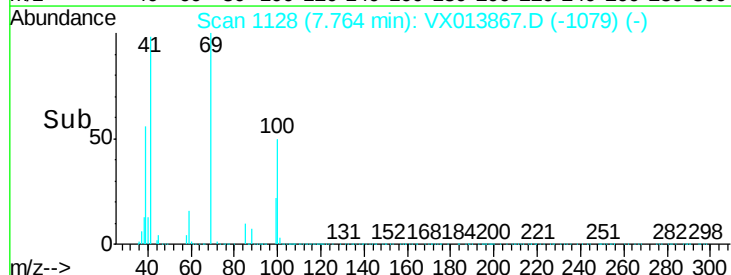
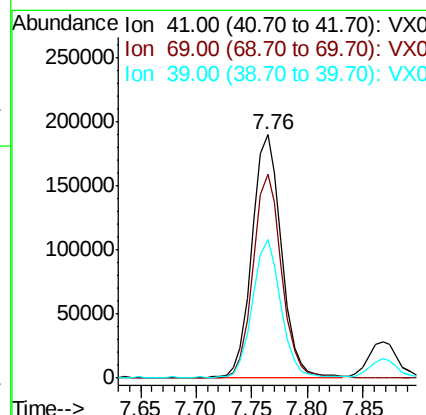
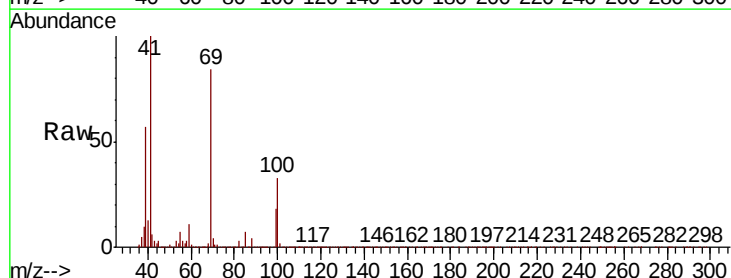
RT: 7.76 min Scan# 1128

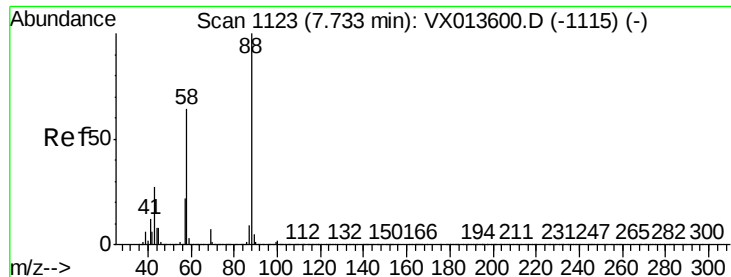
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	41	Resp:	349480
Ion Ratio	Lower	Upper	
41	100		
69	81.3	64.7	97.1
39	54.7	43.8	65.6





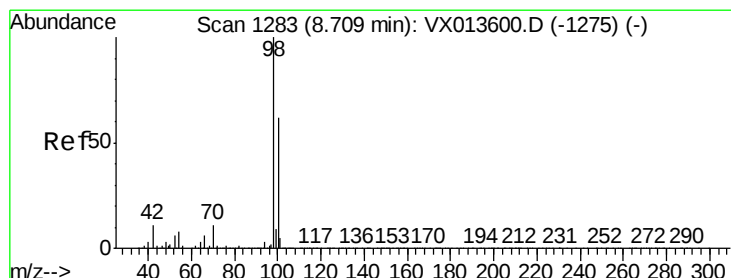
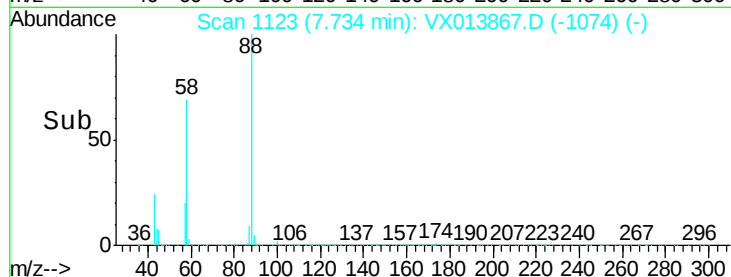
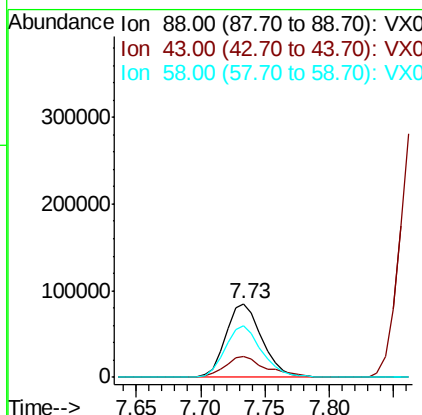
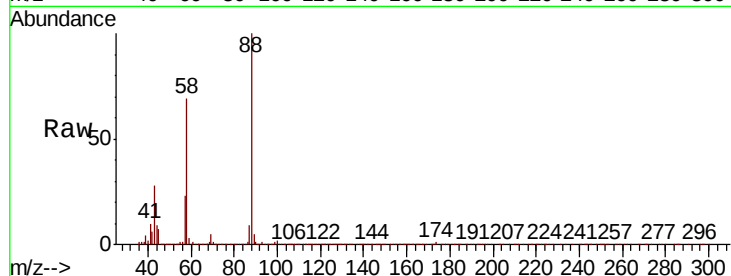
#49
1,4-Dioxane
Concen: 1055.057 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100	165191		
43	31.8	25.8	38.6	
58	70.7	54.6	82.0	

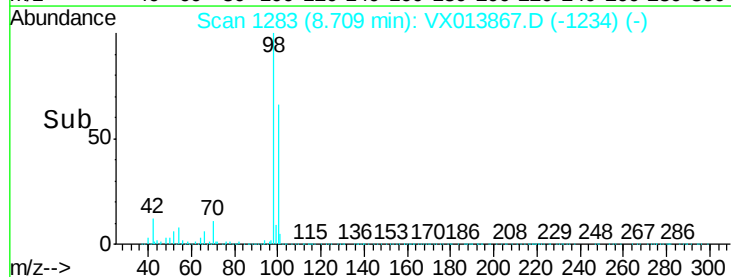
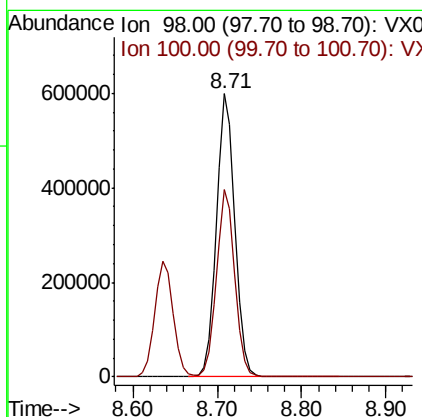
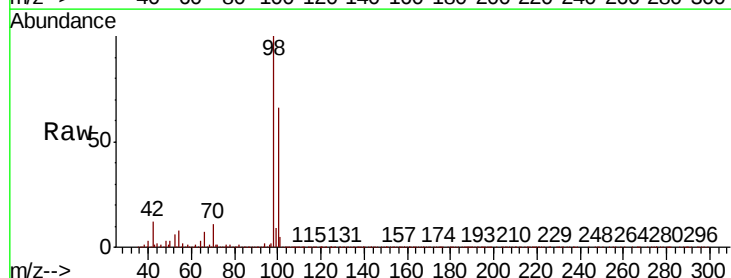
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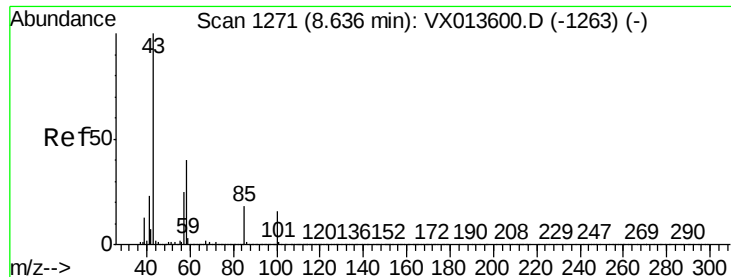
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#50
Toluene-d8
Concen: 43.831 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	906532		
100	65.6	53.1	79.7	





#51

4-Methyl-2-Pentanone

Concen: 253.514 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 43 Resp: 2295717

Ion Ratio Lower Upper

43 100

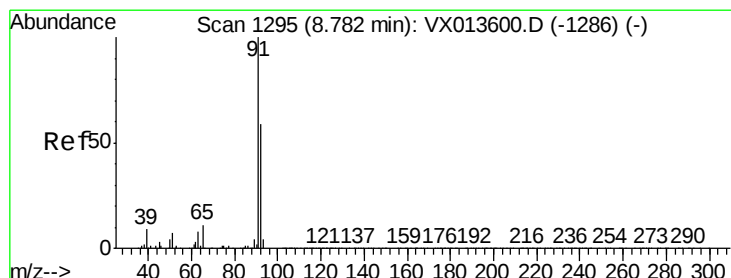
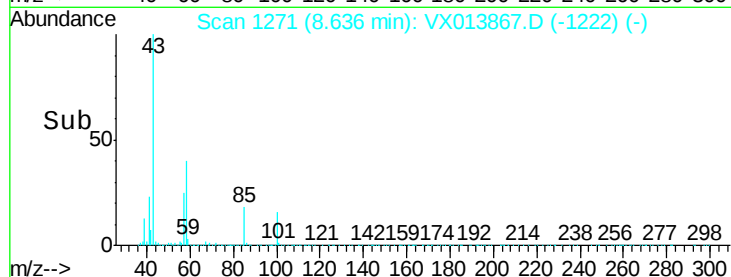
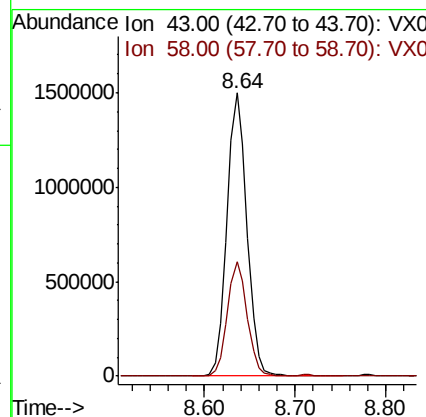
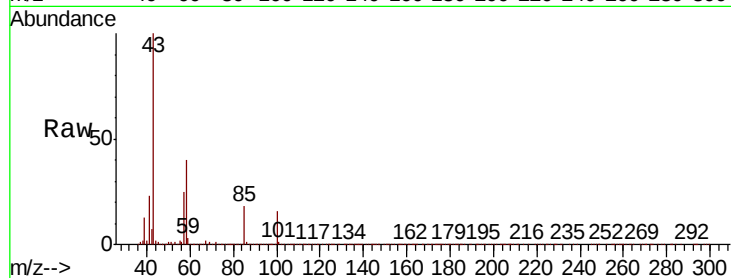
58 39.9 32.1 48.1

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#52

Toluene

Concen: 46.617 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013867.D

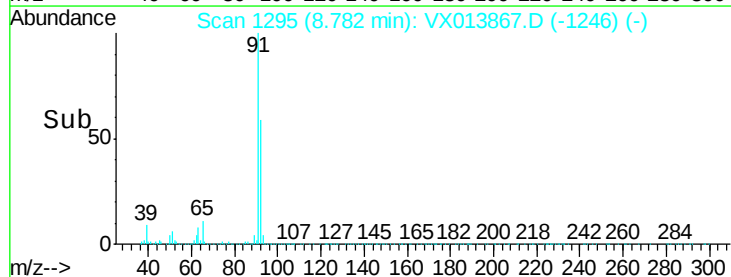
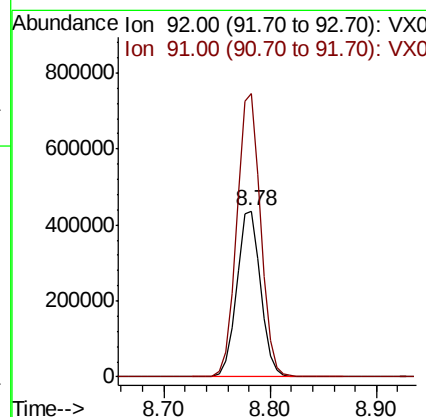
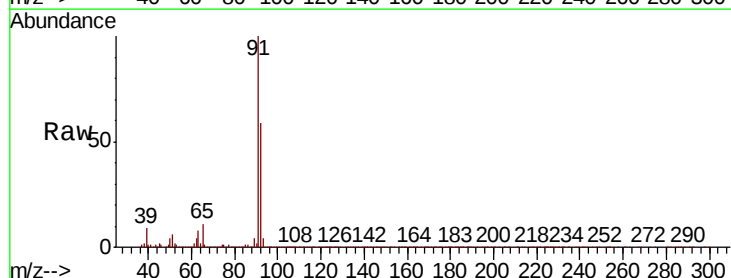
Acq: 09 Dec 2019 21:37

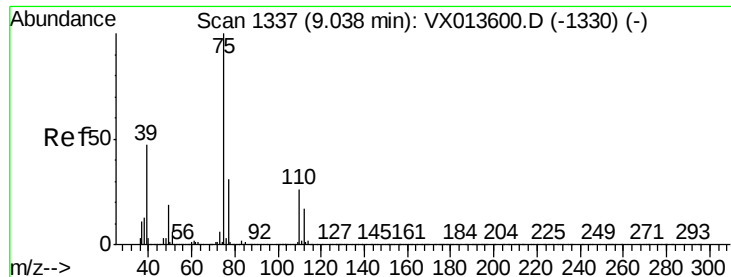
Tgt Ion: 92 Resp: 687531

Ion Ratio Lower Upper

92 100

91 170.2 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 46.083 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 75 Resp: 400034

Ion Ratio Lower Upper

75 100

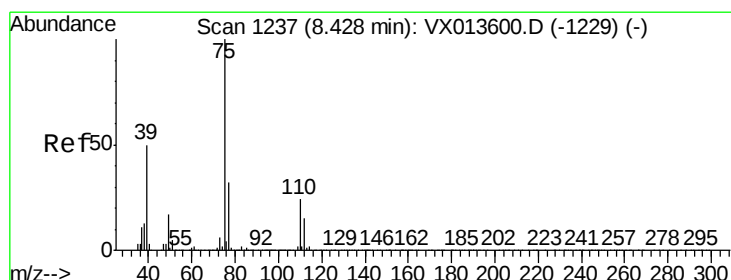
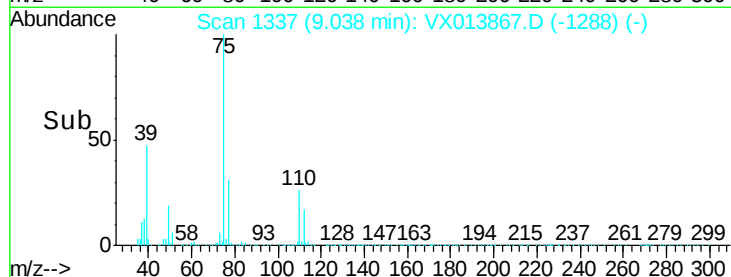
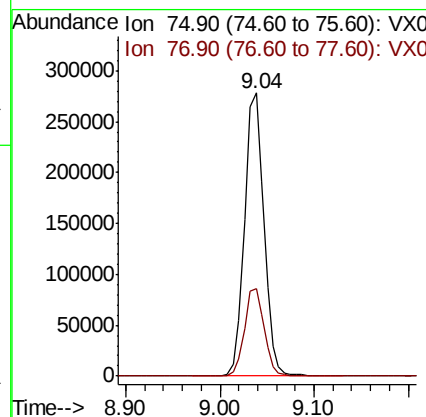
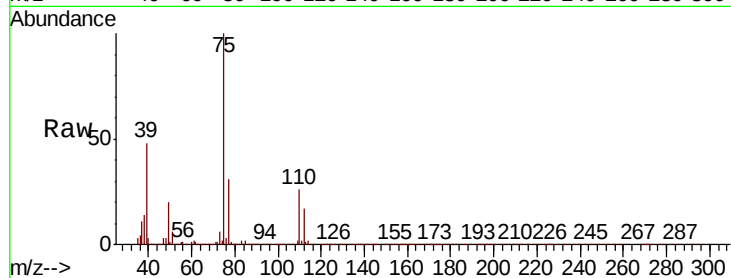
77 31.0 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 46.205 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

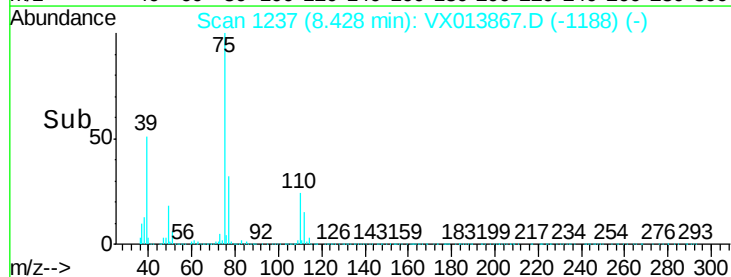
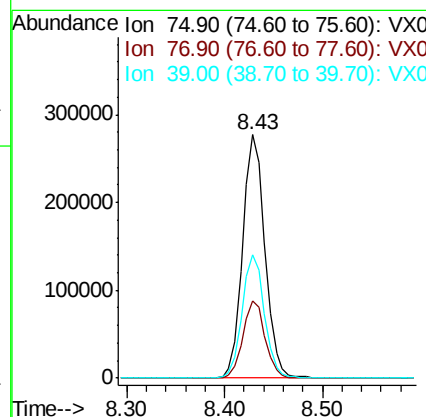
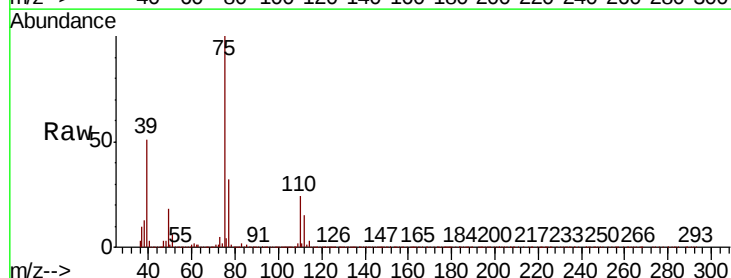
Tgt Ion: 75 Resp: 438201

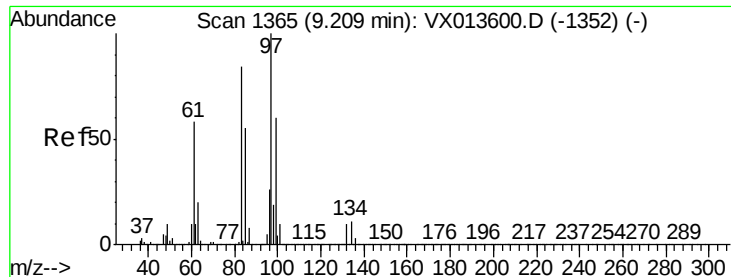
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

39 50.7 39.9 59.9





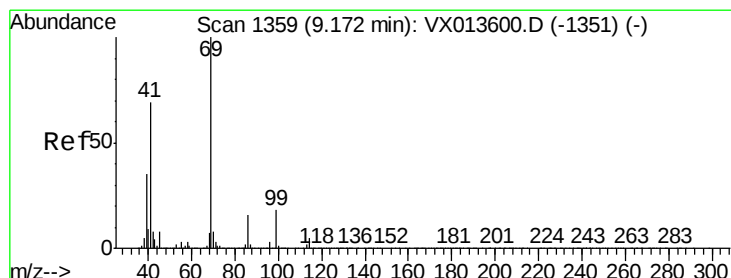
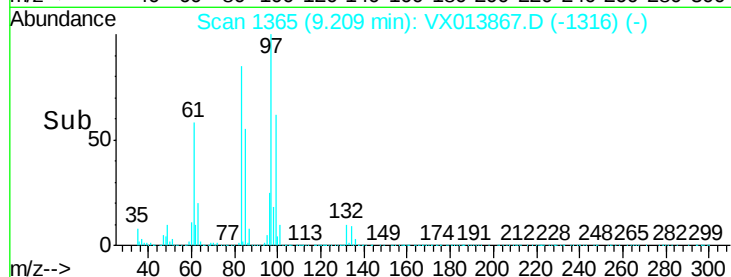
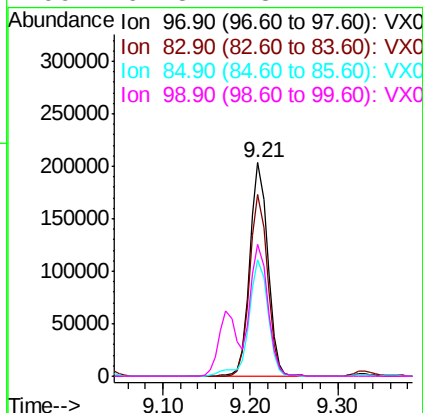
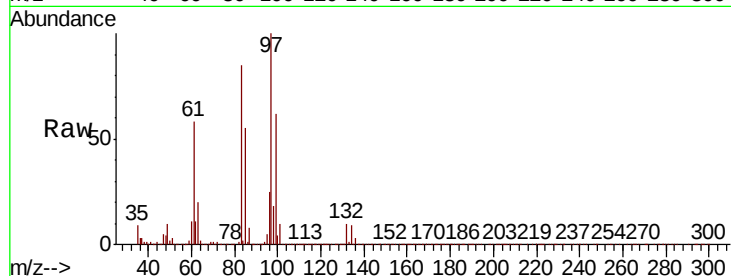
#55
 1,1,2-Trichloroethane
 Concen: 48.566 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013867.D
 Acq: 09 Dec 2019 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20191204MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		288645		
83	84.8	67.3	100.9		
85	54.5	43.6	65.4		
99	61.8	48.2	72.4		

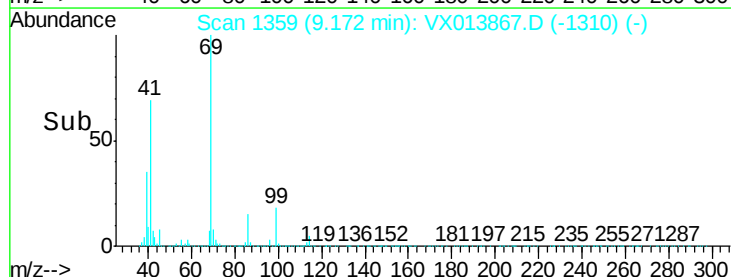
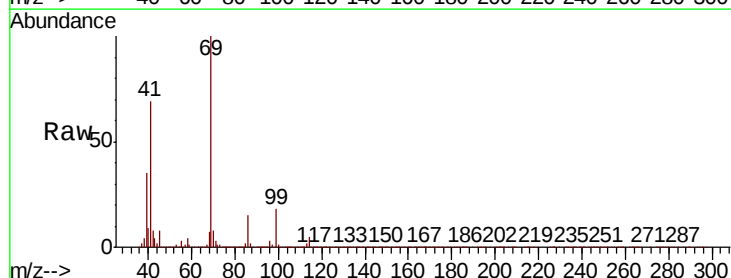
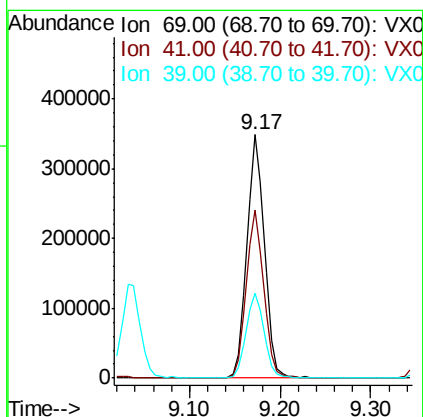
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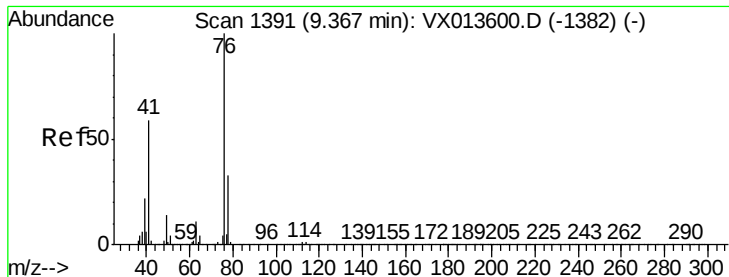
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#56
 Ethyl methacrylate
 Concen: 48.954 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013867.D
 Acq: 09 Dec 2019 21:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		467776		
41	68.3	55.0	82.4		
39	35.5	28.7	43.1		





#57

1,3-Dichloropropane

Concen: 47.236 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 76 Resp: 483904

Ion Ratio Lower Upper

76 100

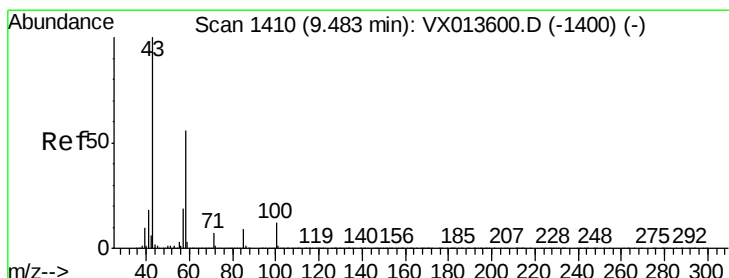
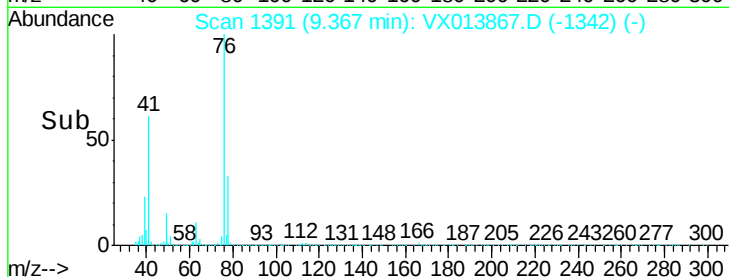
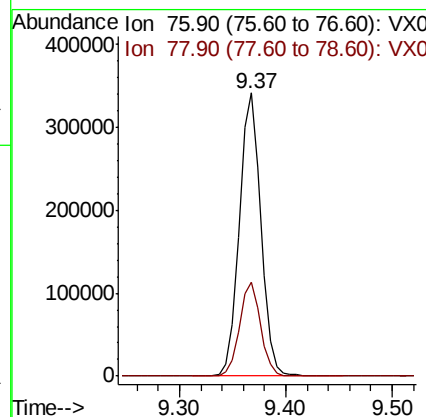
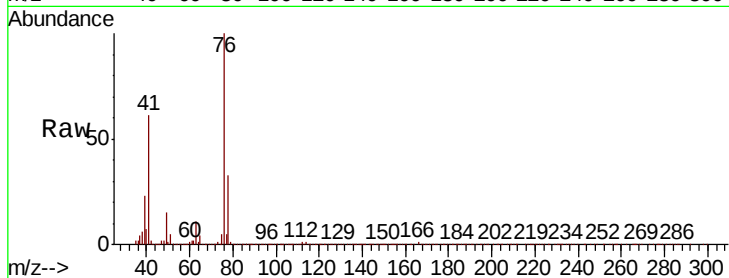
78 32.7 26.0 39.0

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#59

2-Hexanone

Concen: 252.434 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX013867.D

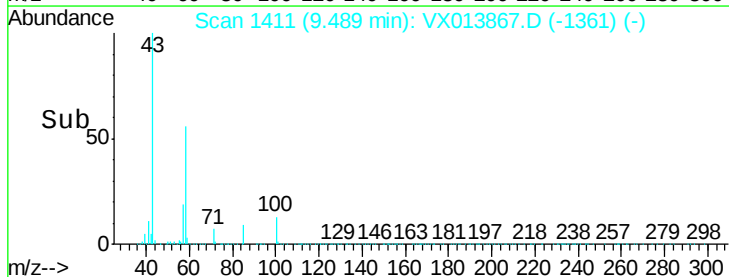
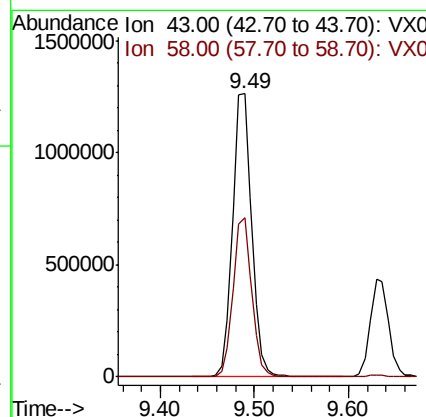
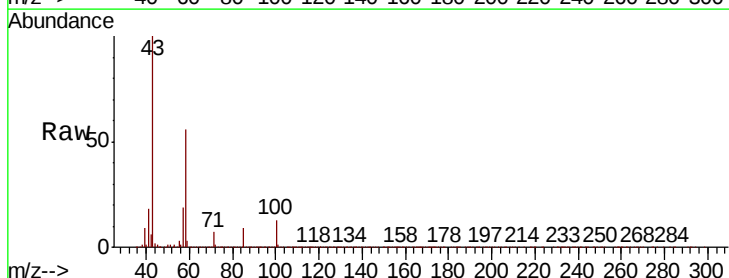
Acq: 09 Dec 2019 21:37

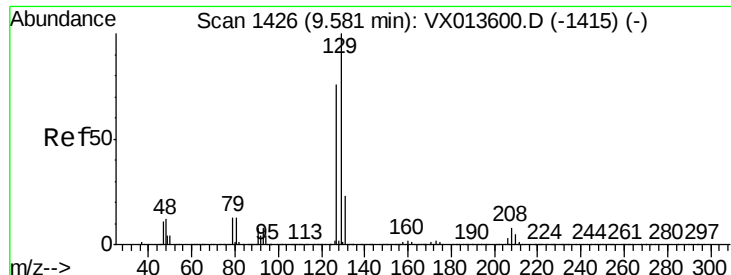
Tgt Ion: 43 Resp: 1782864

Ion Ratio Lower Upper

43 100

58 55.1 28.1 84.4





#60

Dibromochloromethane

Concen: 47.928 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.01 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion:129 Resp: 295614

Ion Ratio Lower Upper

129 100

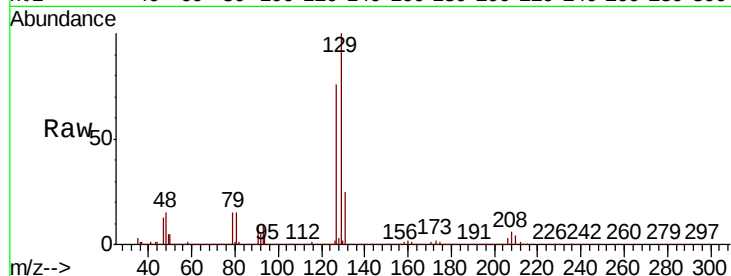
127 78.6 38.5 115.5

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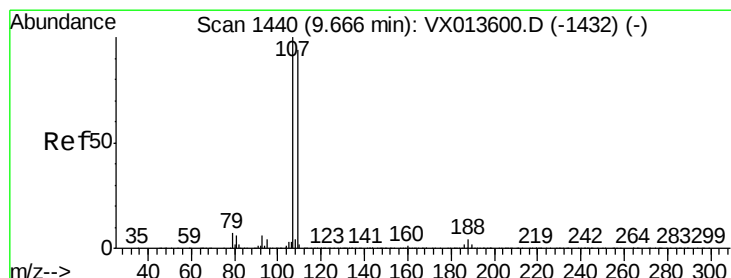
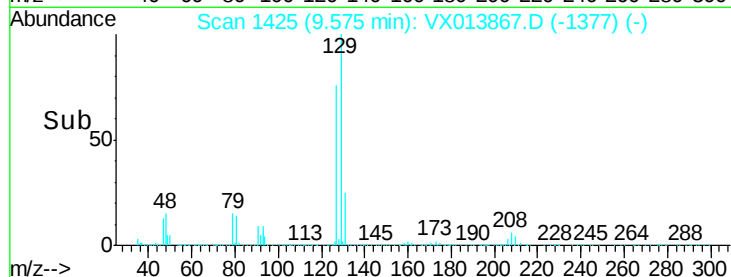
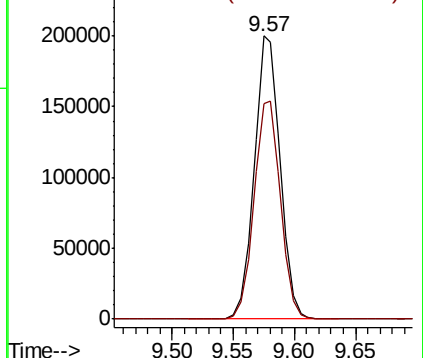
apatel

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 46.871 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013867.D

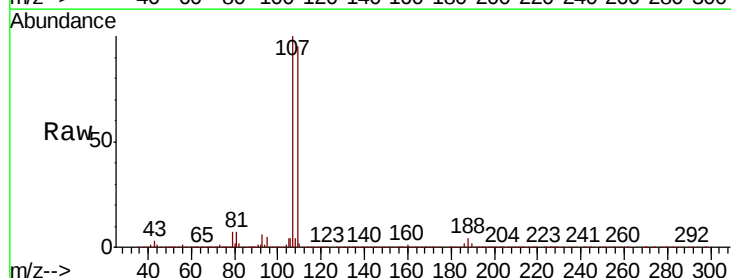
Acq: 09 Dec 2019 21:37

Tgt Ion:107 Resp: 297522

Ion Ratio Lower Upper

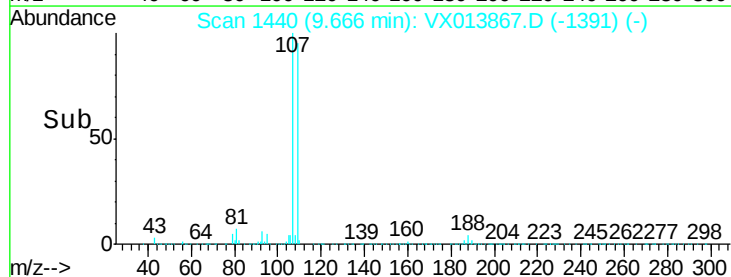
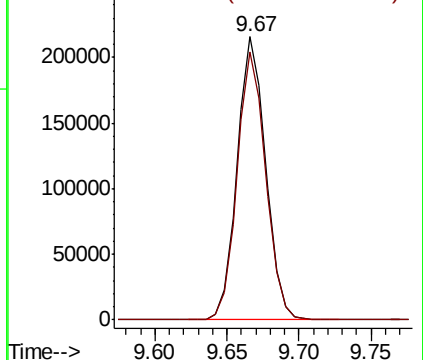
107 100

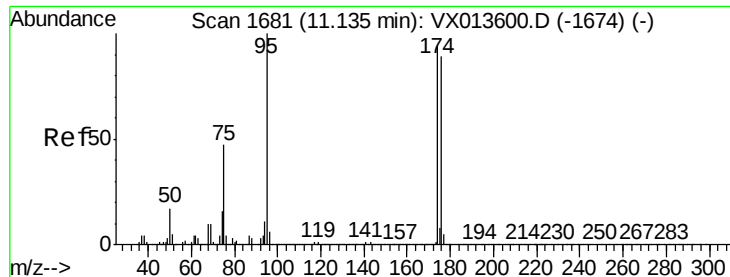
109 94.5 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





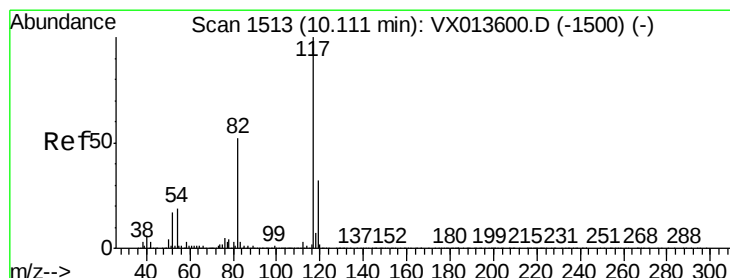
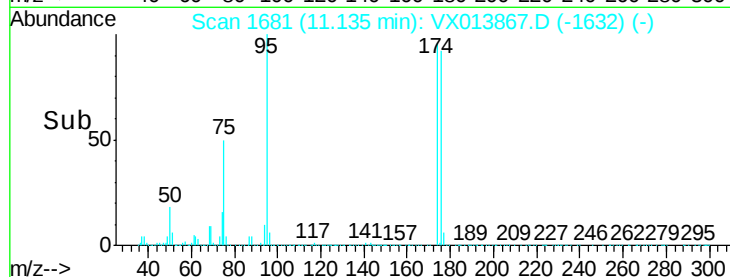
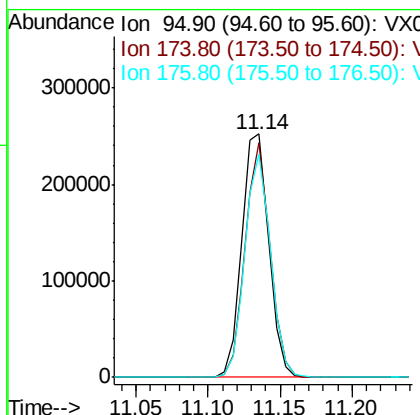
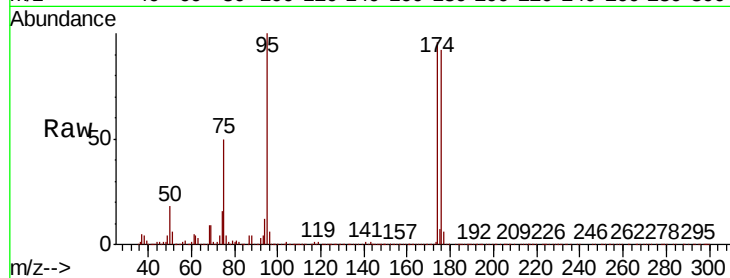
#62
4-Bromofluorobenzene
Concen: 43.740 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	326219		
174	88.8	0.0	180.0	
176	87.3	0.0	173.6	

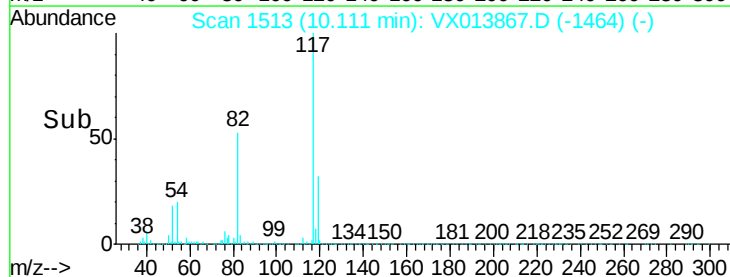
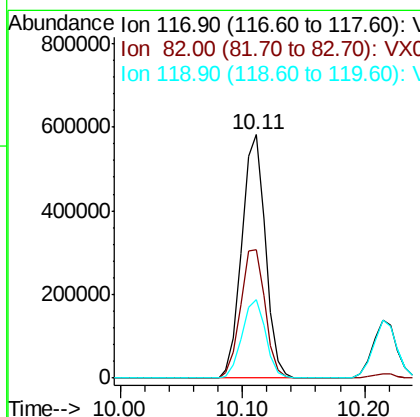
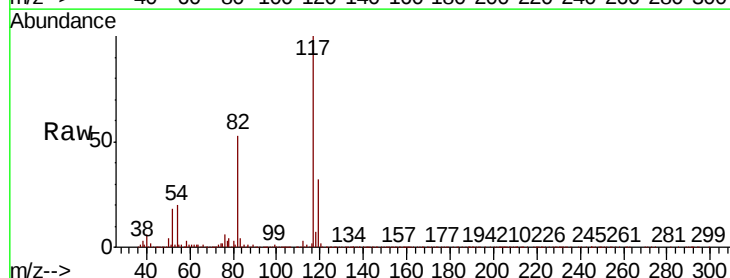
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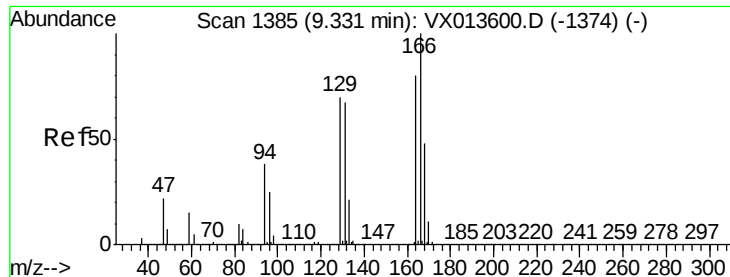
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	776433		
82	52.6	41.8	62.8	
119	32.2	25.8	38.8	





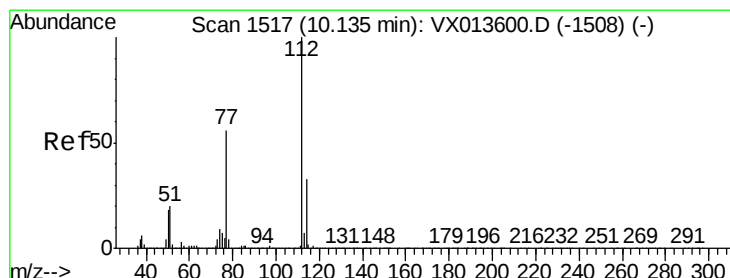
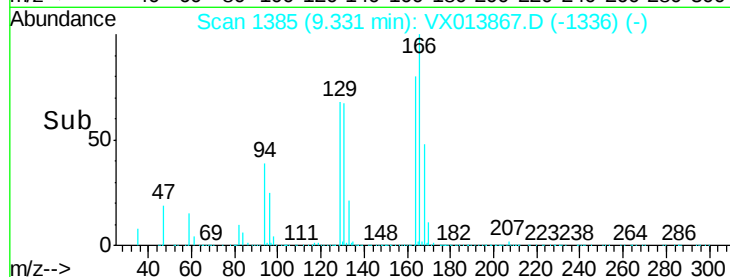
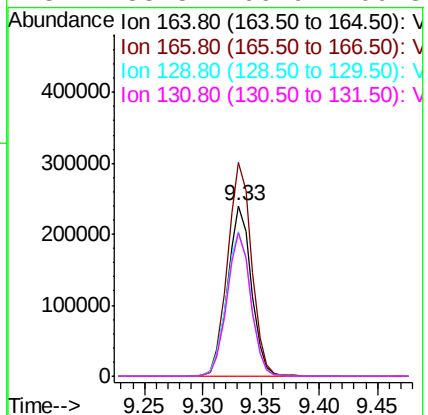
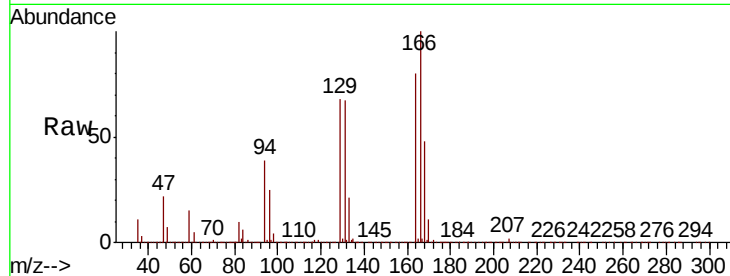
#64
Tetrachloroethene
Concen: 58.684 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.0	99.7	149.5	
129	84.8	70.1	105.1	
131	83.8	66.9	100.3	

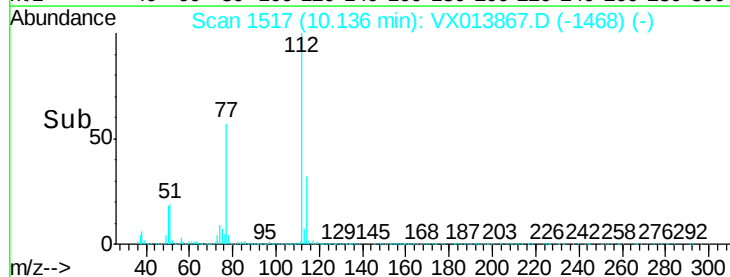
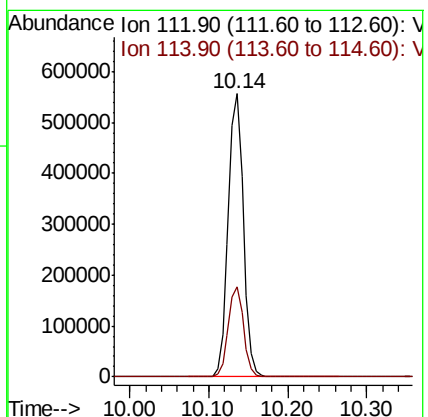
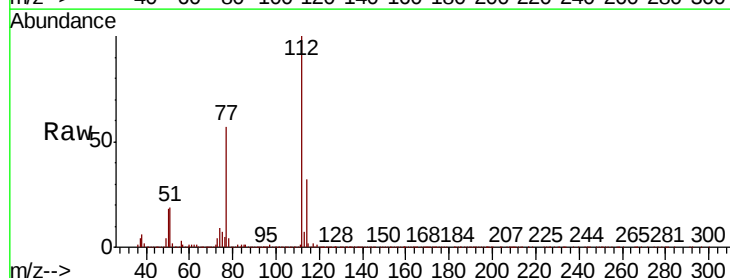
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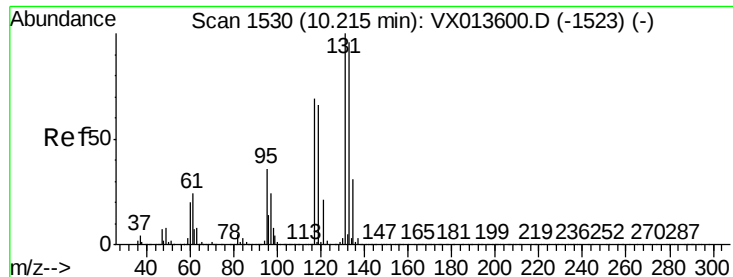
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#65
Chlorobenzene
Concen: 46.220 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.9	26.1	39.1	





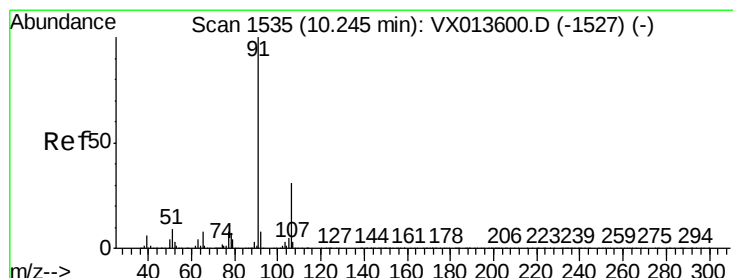
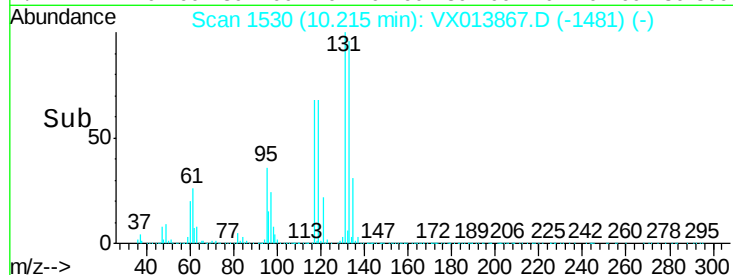
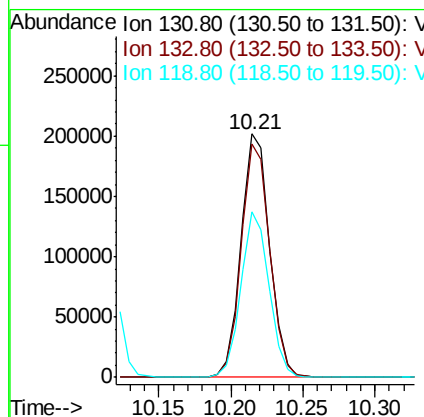
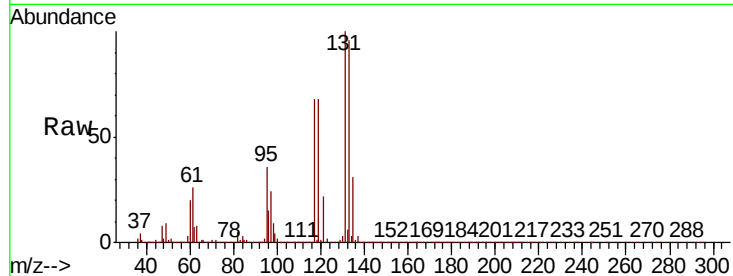
#66
 1,1,1,2-Tetrachloroethane
 Concen: 47.910 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013867.D
 Acq: 09 Dec 2019 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.7	143.1
119	66.4	32.9	98.6

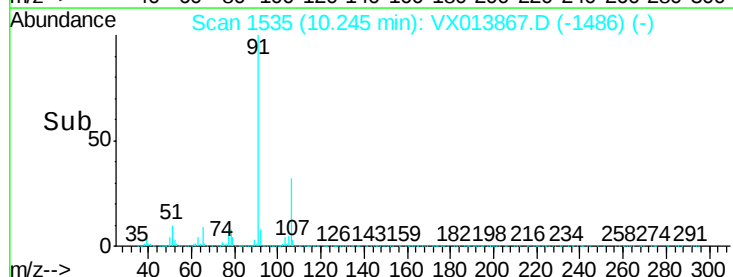
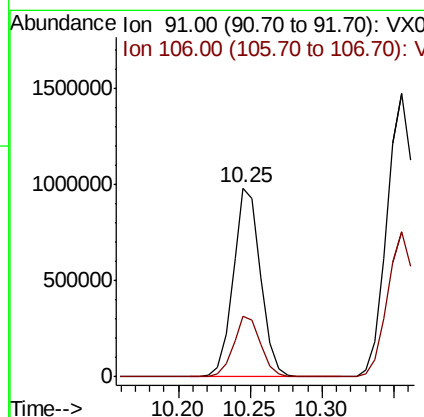
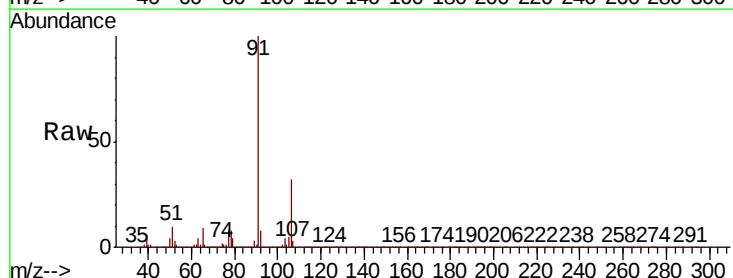
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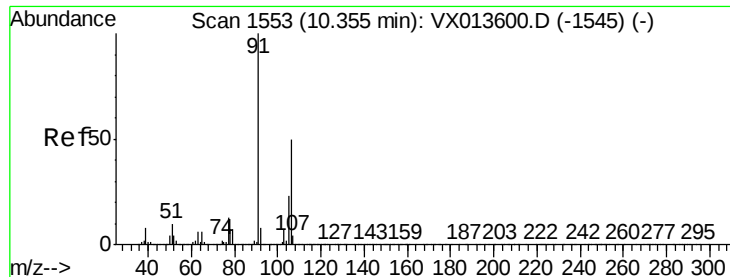
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#67
 Ethyl Benzene
 Concen: 46.974 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX013867.D
 Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.5	36.7





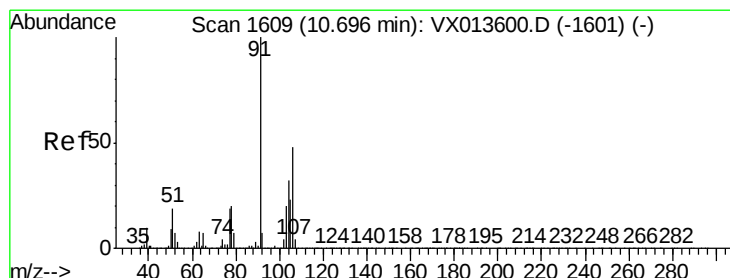
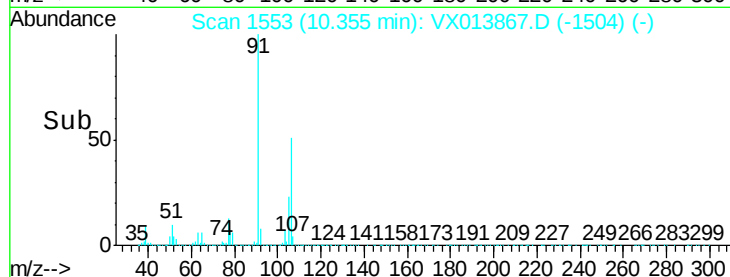
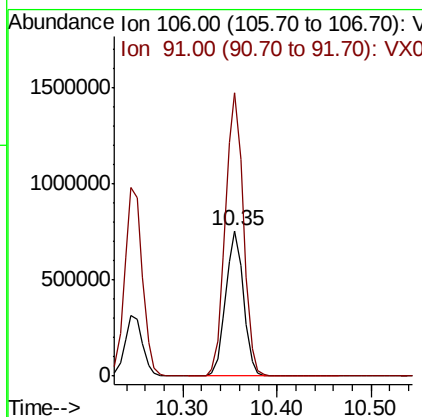
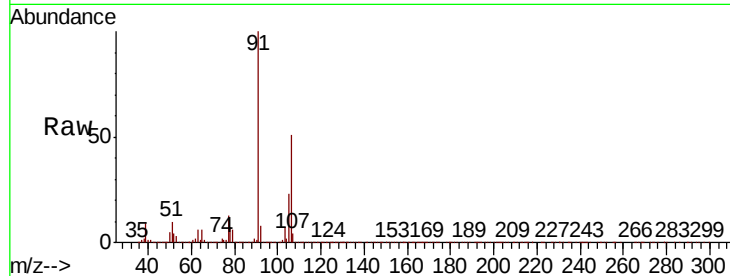
#68
m/p-Xylenes
Concen: 93.710 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion:106 Resp: 993841
Ion Ratio Lower Upper
106 100
91 197.2 159.0 238.4

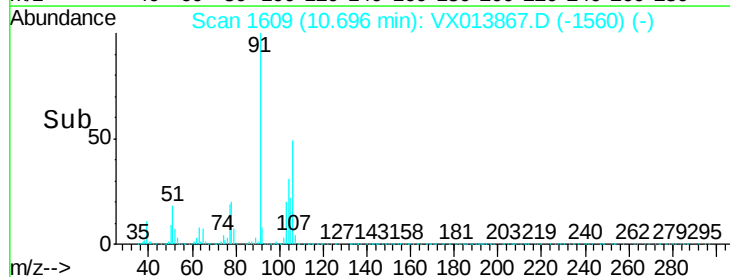
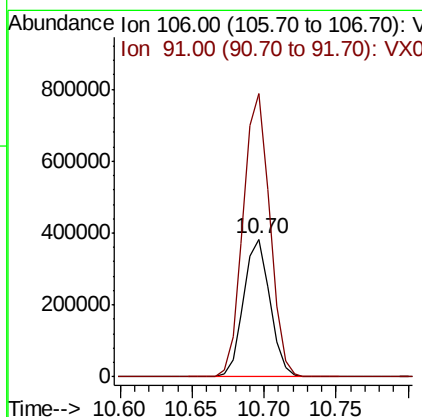
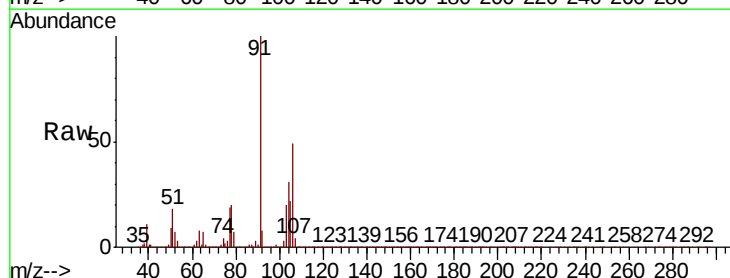
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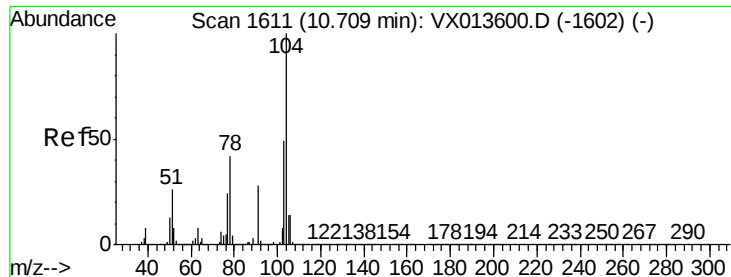
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#69
o-Xylene
Concen: 46.999 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion:106 Resp: 486129
Ion Ratio Lower Upper
106 100
91 208.2 104.1 312.2





#70

Stvrene

Concen: 47.273 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

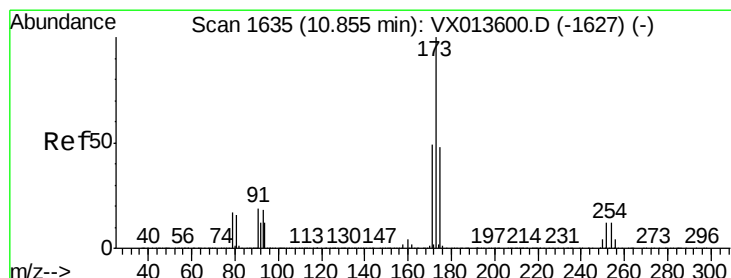
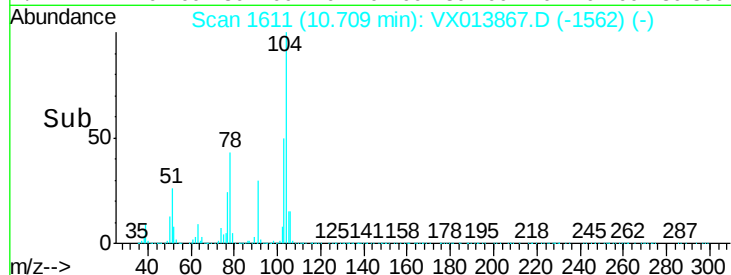
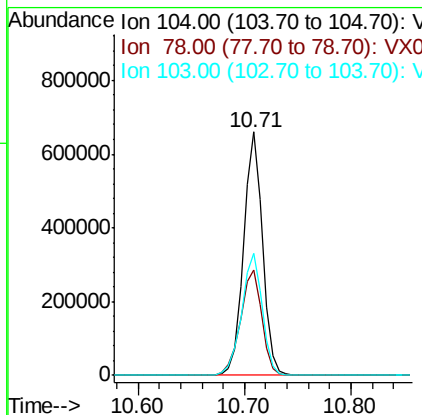
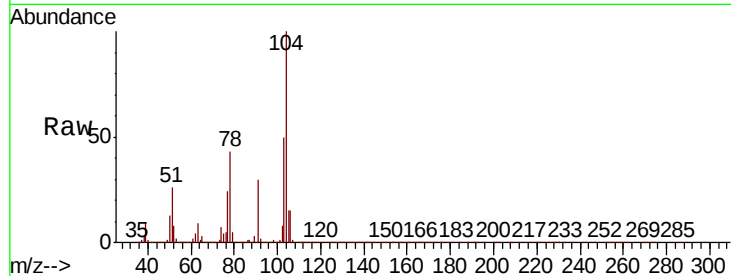
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	104	Resp:	822533
Ion Ratio	Lower	Upper	
104	100		
78	49.0	38.5	57.7
103	54.7	43.7	65.5

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#71

Bromoform

Concen: 48.617 ug/l

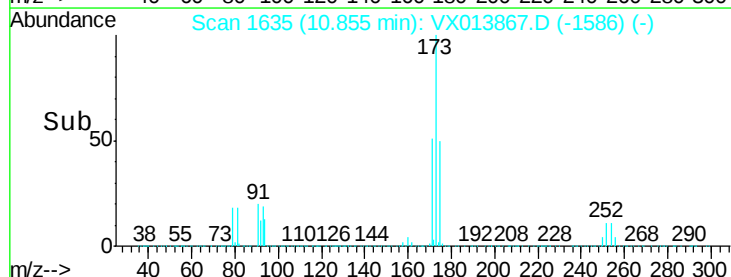
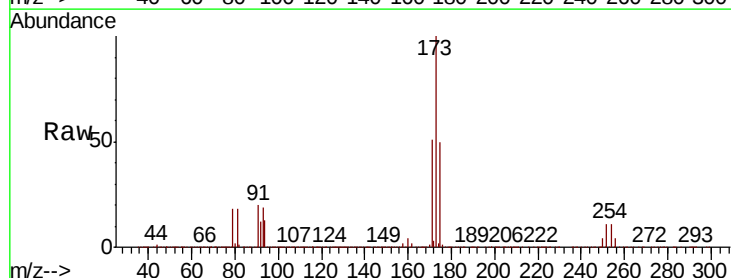
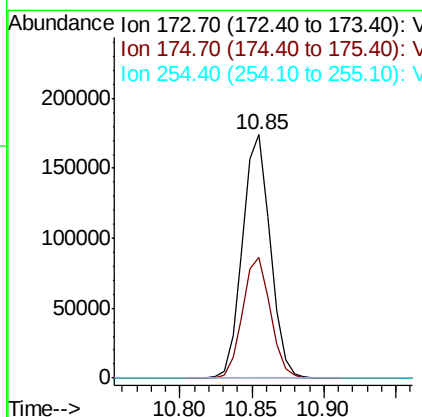
RT: 10.85 min Scan# 1635

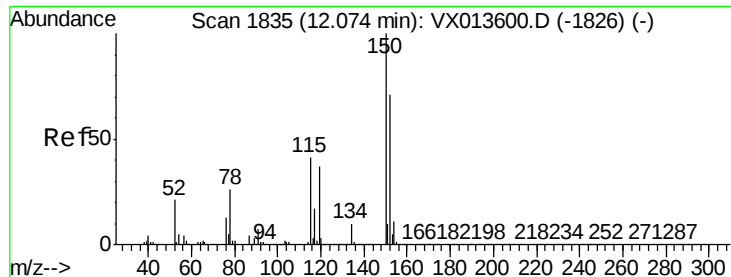
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	173	Resp:	232859
Ion Ratio	Lower	Upper	
173	100		
175	49.7	24.3	72.8
254	0.2	0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

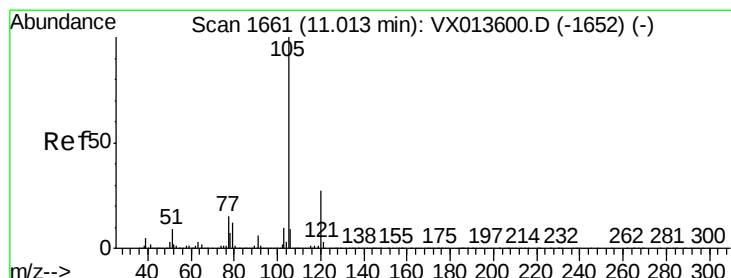
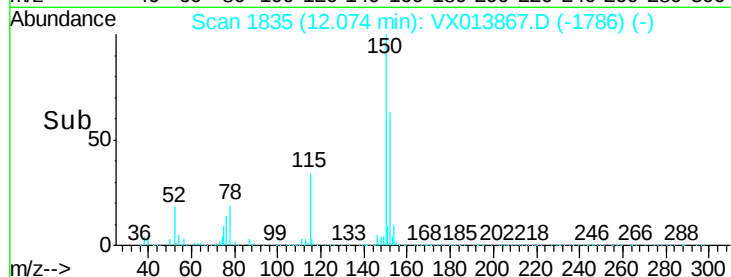
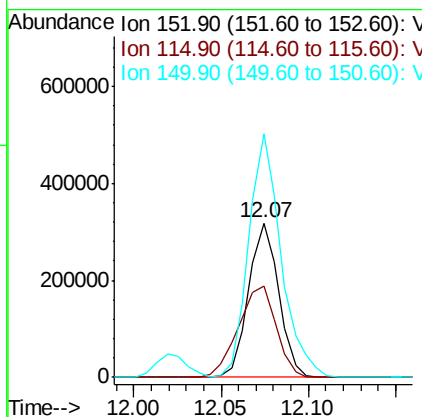
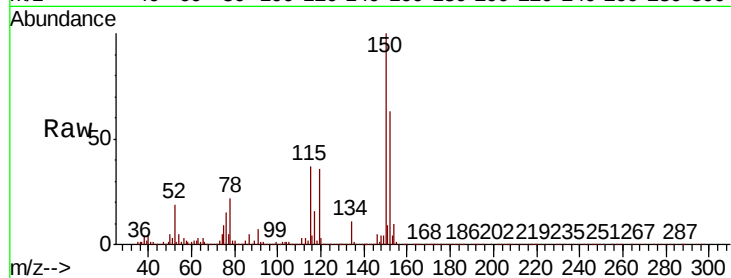
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	152	Resp:	381527
Ion Ratio	Lower	Upper	
152	100		
115	74.7	38.4	115.1
150	169.8	0.0	346.8

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#73

Isopropylbenzene

Concen: 47.523 ug/l

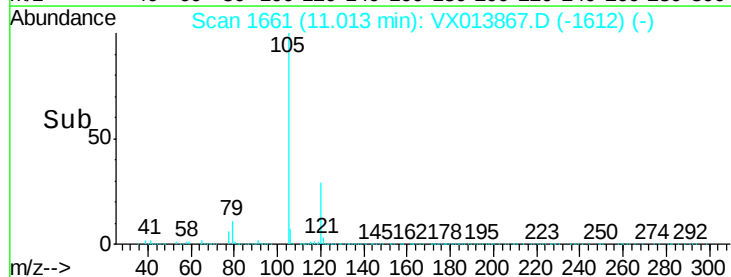
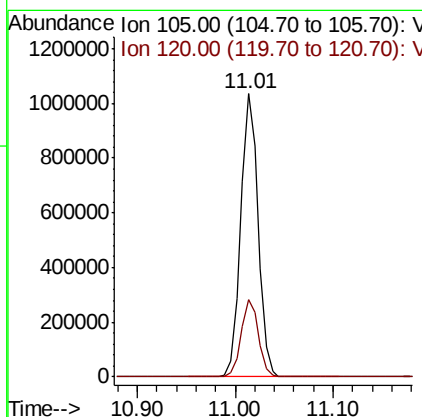
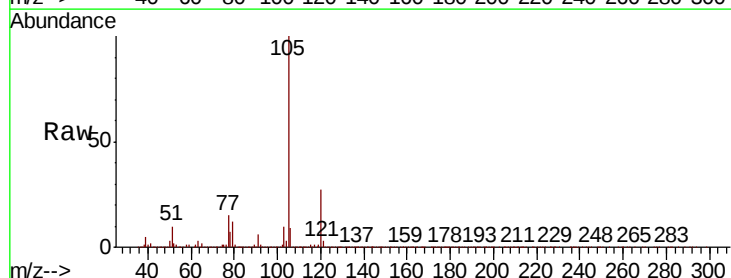
RT: 11.01 min Scan# 1661

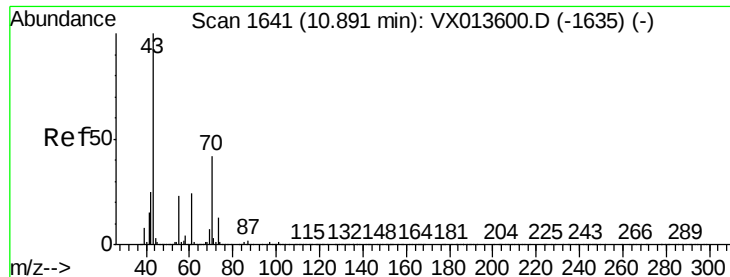
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	105	Resp:	1271846
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.5	40.5





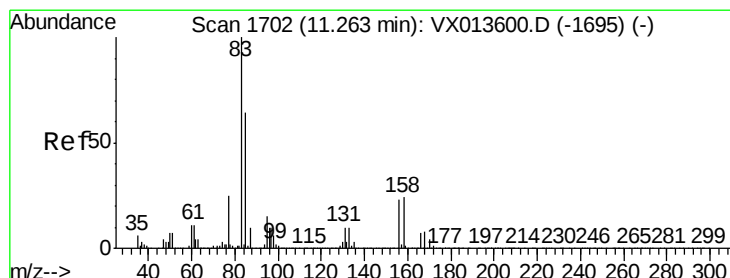
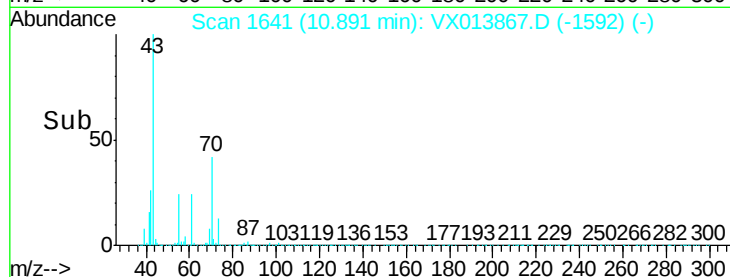
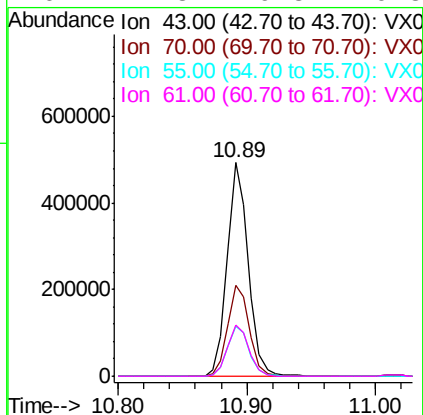
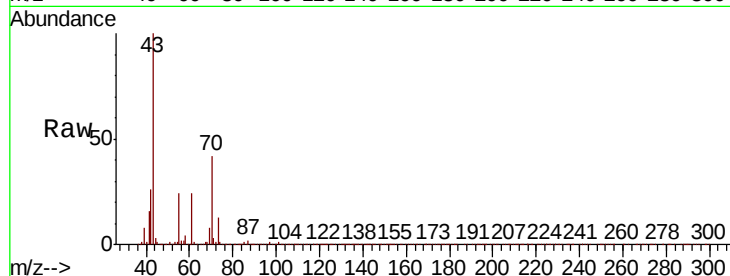
#74
N-amvl acetate
Concen: 46.409 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	568954		
70	70	44.2		34.3	51.5
55	55	24.2		18.5	27.7
61	61	24.8		19.8	29.8

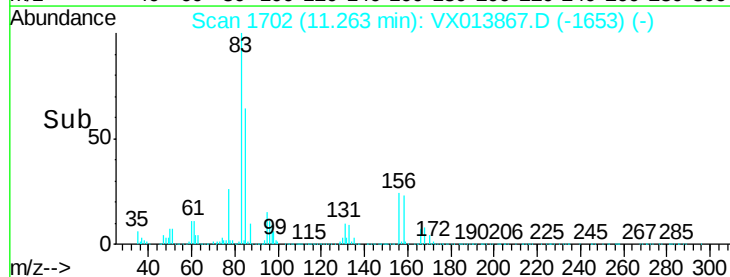
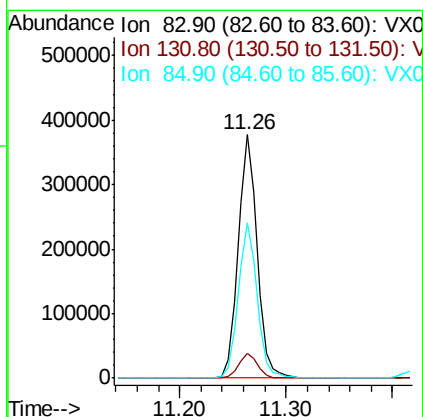
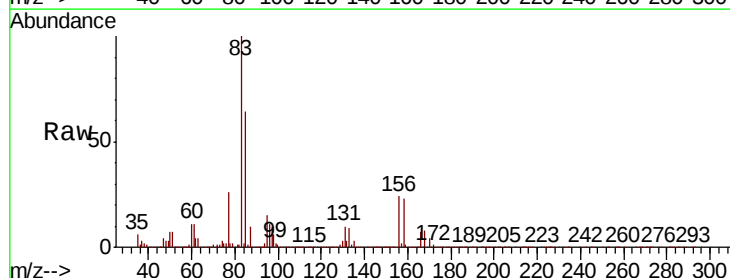
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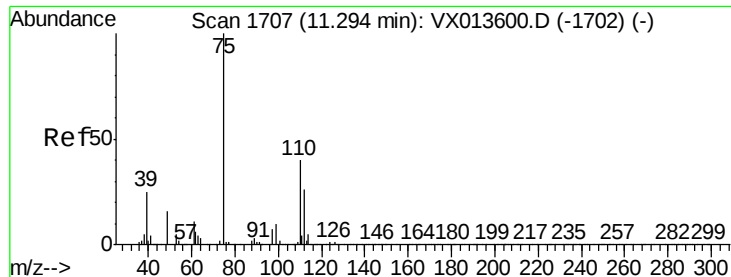
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#75
1,1,2,2-Tetrachloroethane
Concen: 50.774 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100	471239		
131	131	10.2		5.1	15.3
85	85	63.5		31.8	95.3





#76

1,2,3-Trichloropropane

Concen: 49.165 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 75 Resp: 421898

Ion Ratio Lower Upper

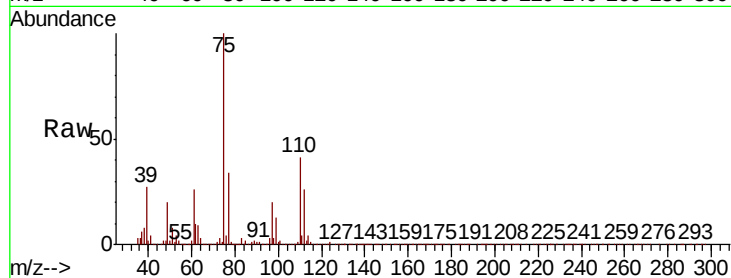
75 100

77 38.1 19.1 57.5

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX013600.D (-1702) (-)

Ion 77.00 (76.70 to 77.70): VX013600.D (-1702) (-)

400000

300000

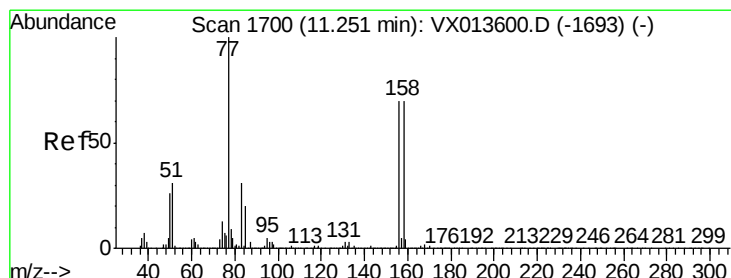
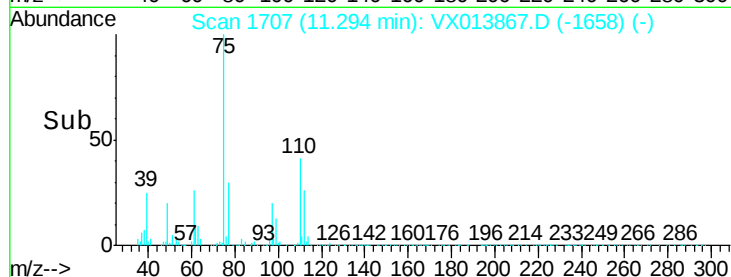
200000

100000

0

11.26 11.28 11.30

Time-->



#77

Bromobenzene

Concen: 46.413 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

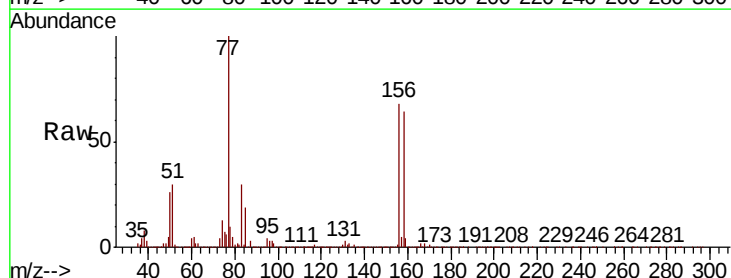
Tgt Ion: 156 Resp: 335564

Ion Ratio Lower Upper

156 100

77 150.8 74.4 223.1

158 96.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): VX013600.D (-1693) (-)

Ion 77.00 (76.70 to 77.70): VX013600.D (-1693) (-)

Ion 157.80 (157.50 to 158.50): VX013600.D (-1693) (-)

500000

400000

300000

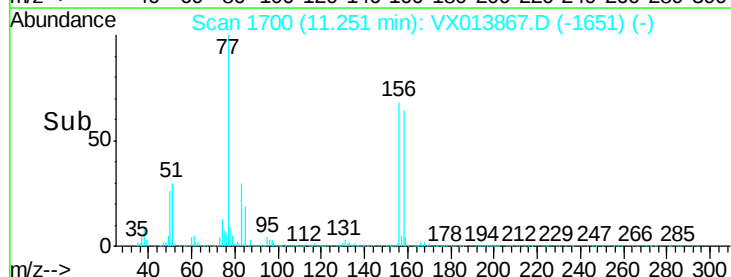
200000

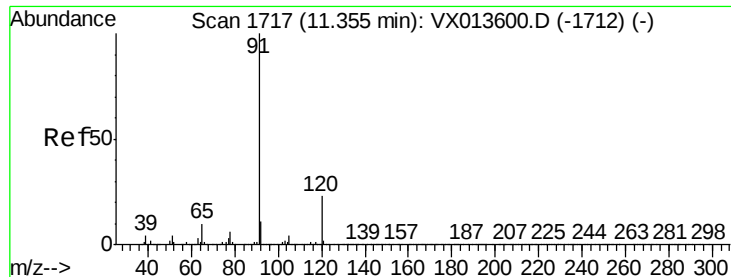
100000

0

11.20 11.25 11.30 11.35

Time-->





#78

n-propylbenzene

Concen: 47.213 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 91 Resp: 1410505

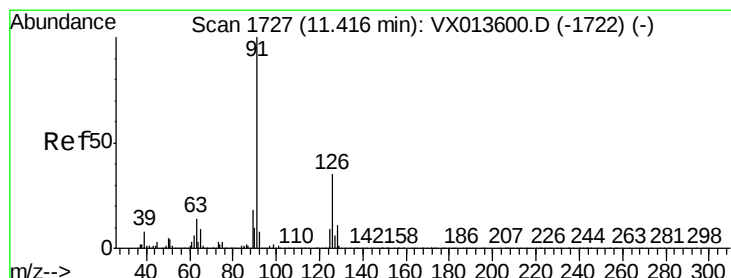
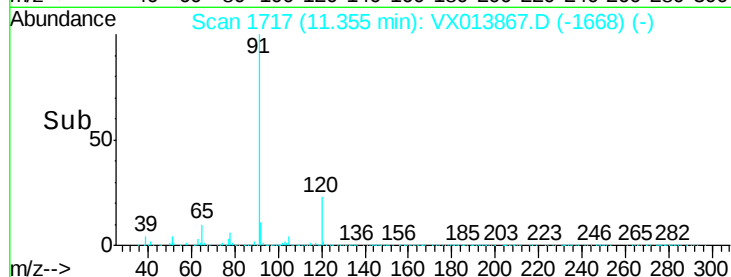
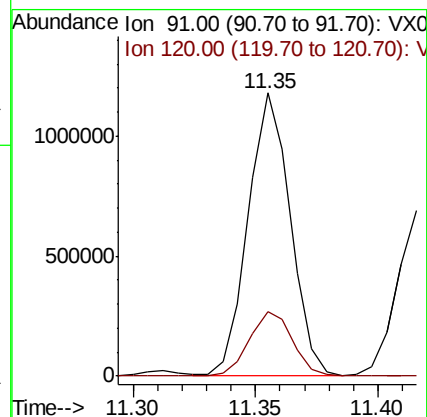
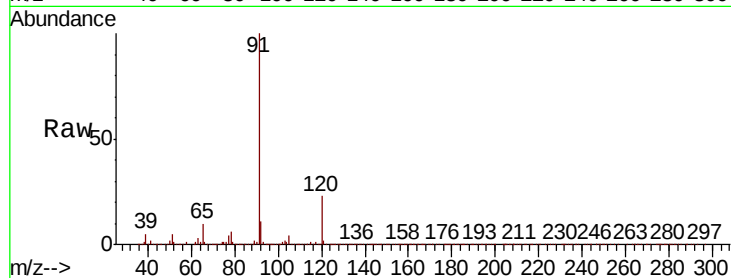
Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.3

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#79

2-Chlorotoluene

Concen: 46.927 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013867.D

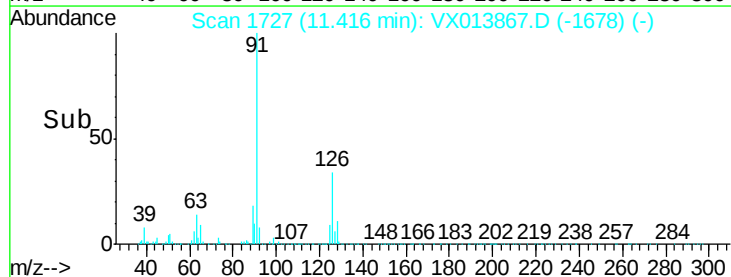
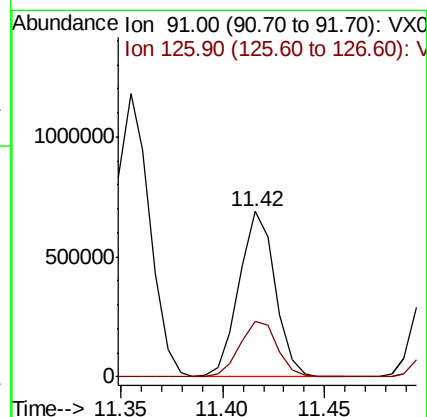
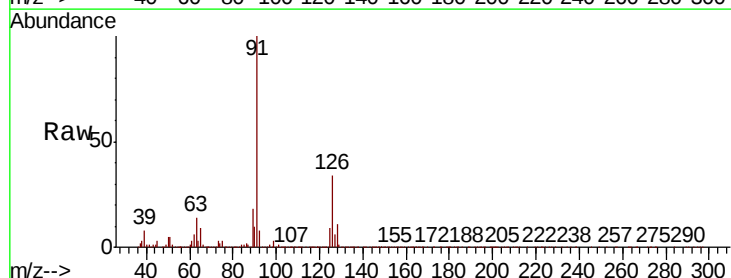
Acq: 09 Dec 2019 21:37

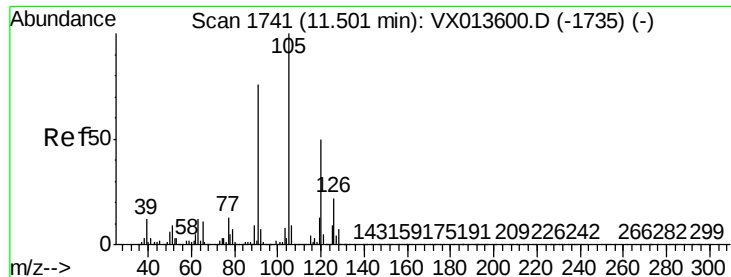
Tgt Ion: 91 Resp: 840989

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5





#80

1,3,5-Trimethylbenzene

Concen: 47.289 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion:105 Resp: 1037263

Ion Ratio Lower Upper

105 100

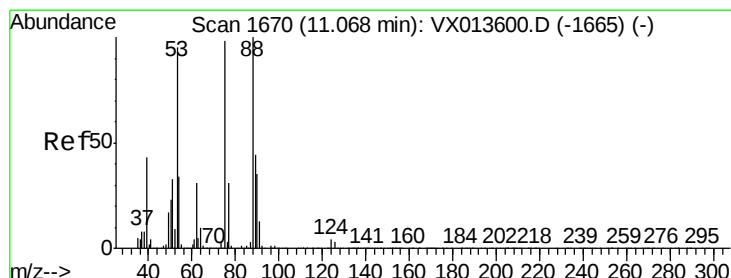
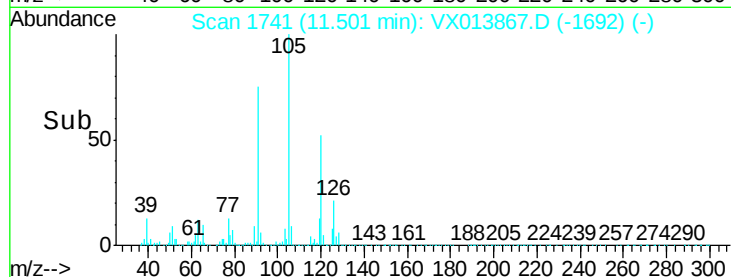
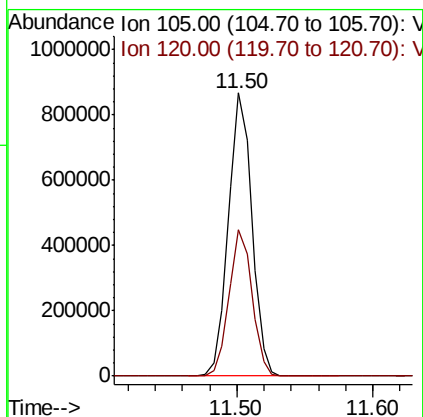
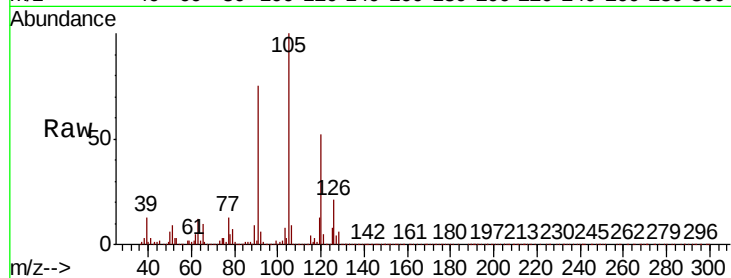
120 51.2 25.3 75.9

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#81

trans-1,4-Dichloro-2-butene

Concen: 45.418 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

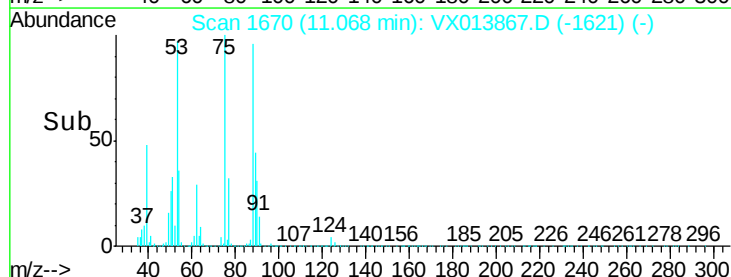
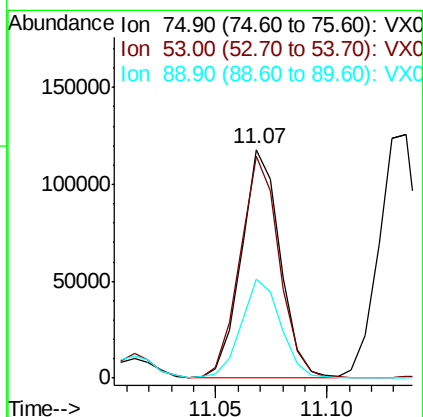
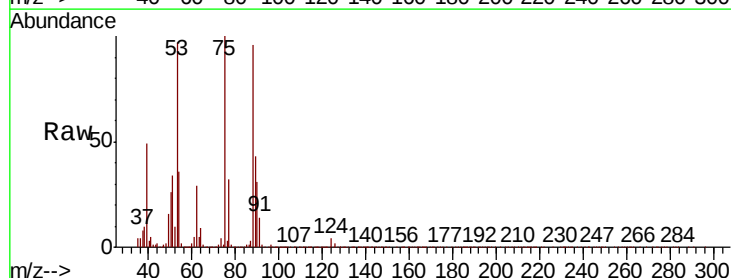
Tgt Ion: 75 Resp: 142460

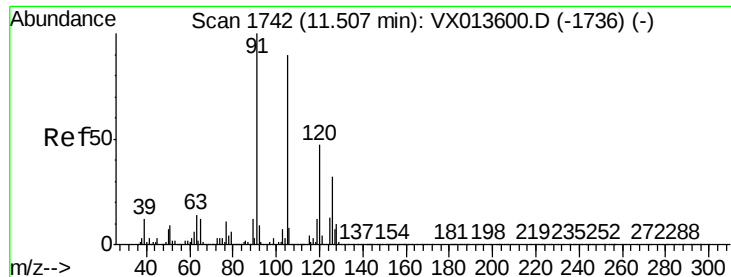
Ion Ratio Lower Upper

75 100

53 98.1 78.2 117.2

89 44.2 35.4 53.2





#82

4-Chlorotoluene

Concen: 46.221 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion: 91 Resp: 959404

Ion Ratio Lower Upper

91 100

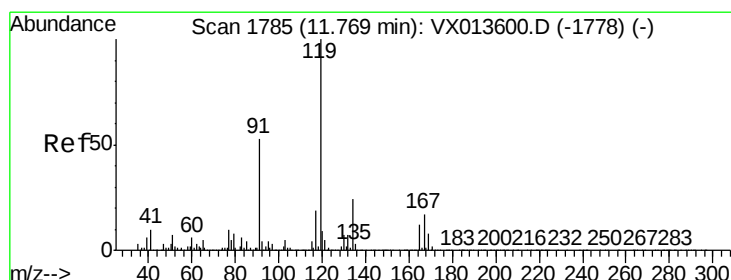
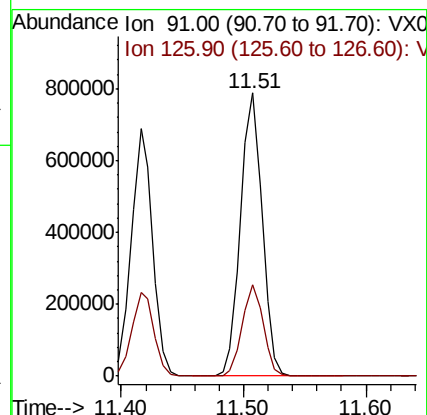
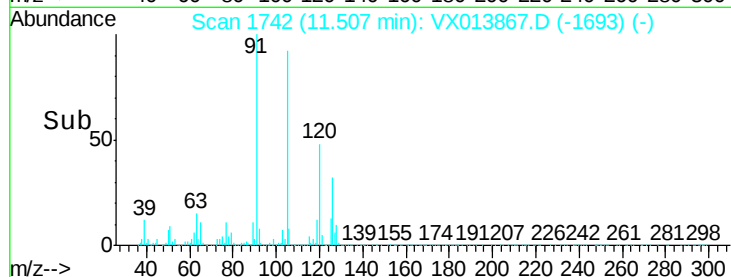
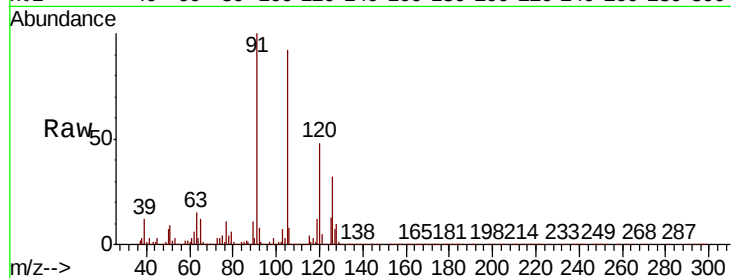
126 31.6 15.7 47.0

Manual Integrations

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#83

tert-Butylbenzene

Concen: 48.361 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

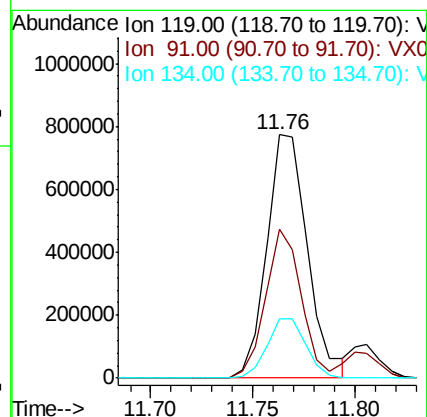
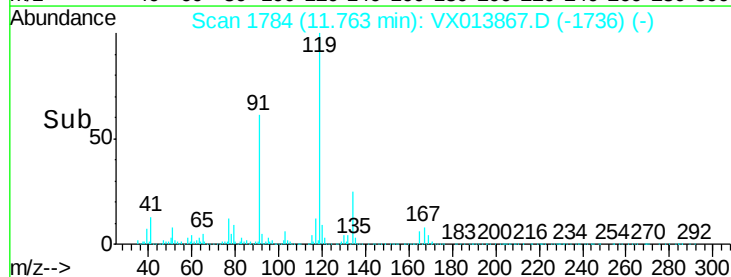
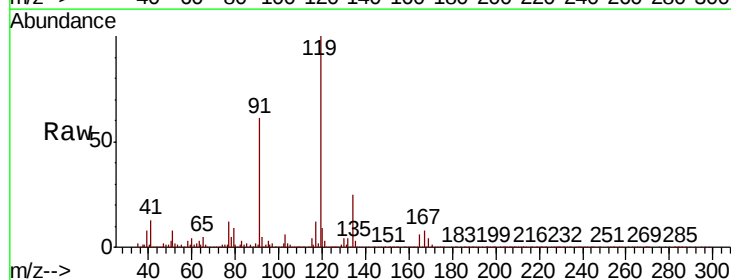
Tgt Ion: 119 Resp: 1078051

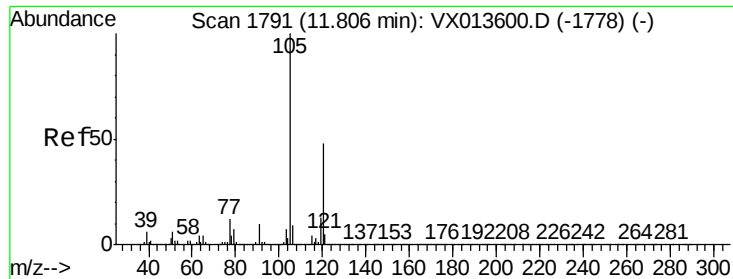
Ion Ratio Lower Upper

119 100

91 53.5 27.2 81.6

134 23.6 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 47.602 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20191204MSD

Tot Ion:105 Resp: 1059685

Ion Ratio Lower Upper

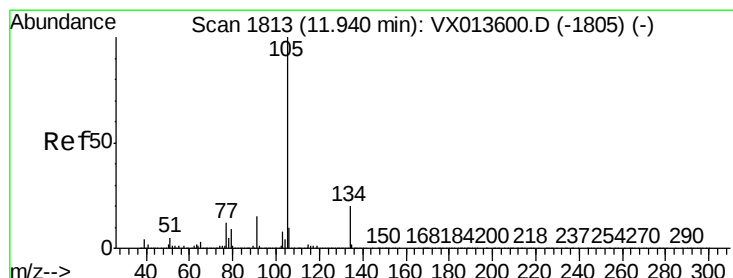
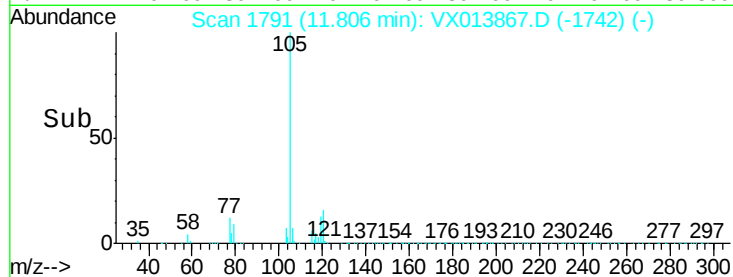
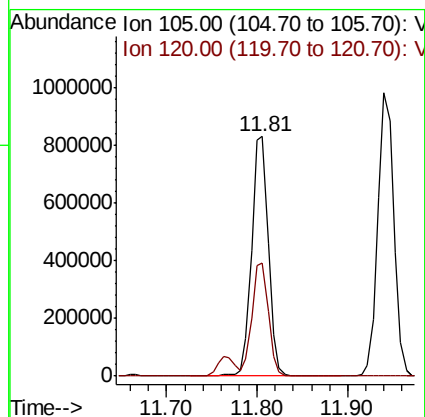
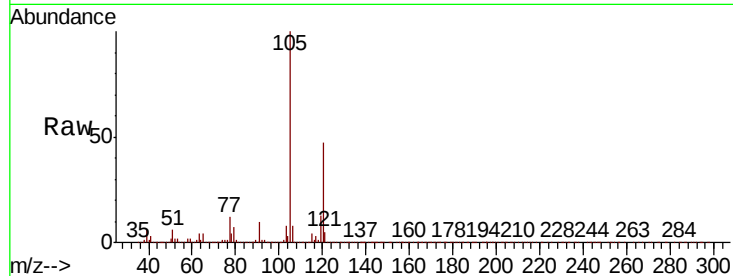
105 100

120 46.3 23.1 69.3

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#85

sec-Butylbenzene

Concen: 47.301 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013867.D

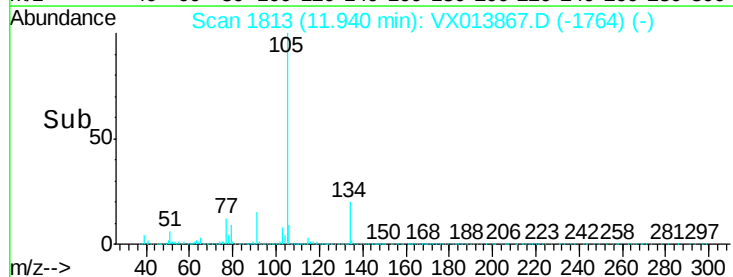
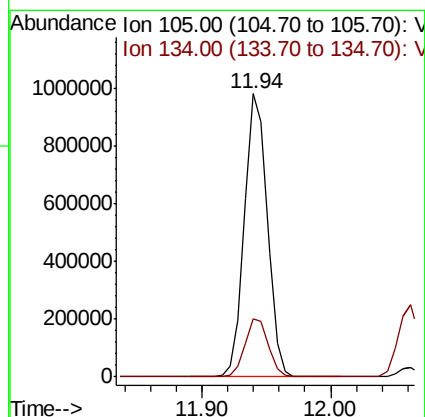
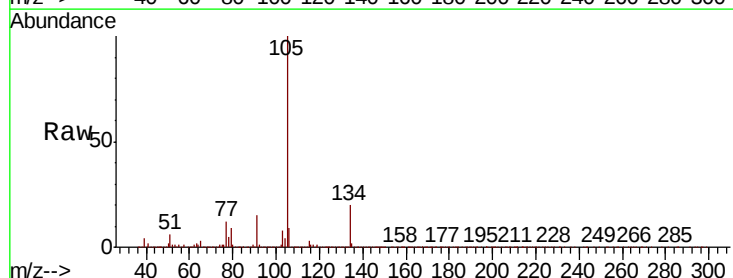
Acq: 09 Dec 2019 21:37

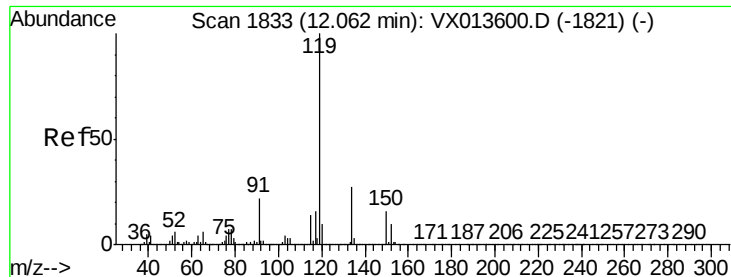
Tgt Ion:105 Resp: 1204382

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2





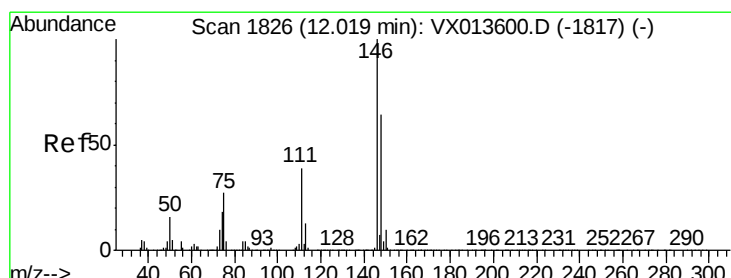
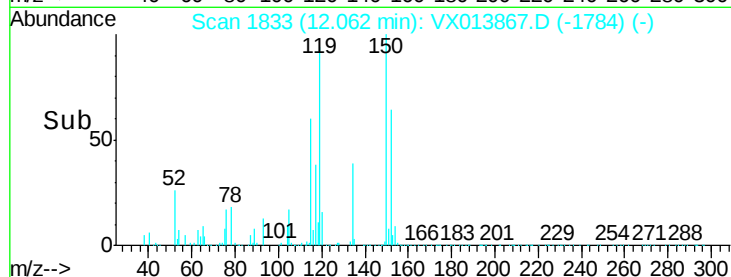
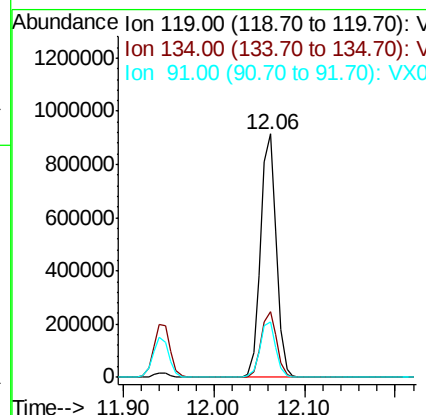
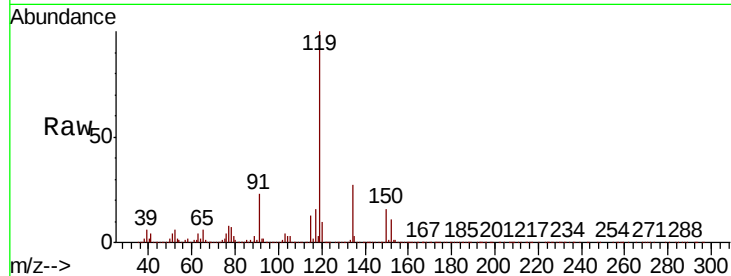
#86
p-Isopropyltoluene
Concen: 46.122 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.9
91	22.7	11.3	33.8

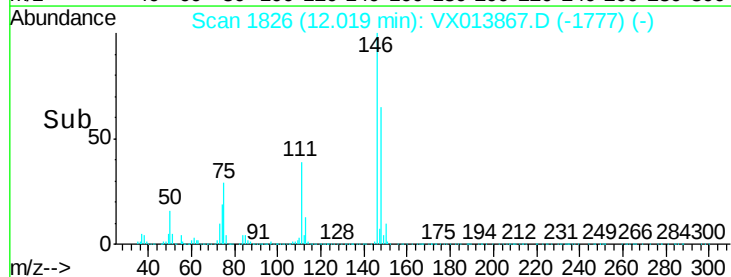
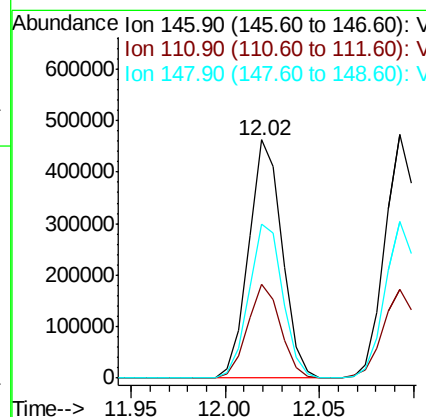
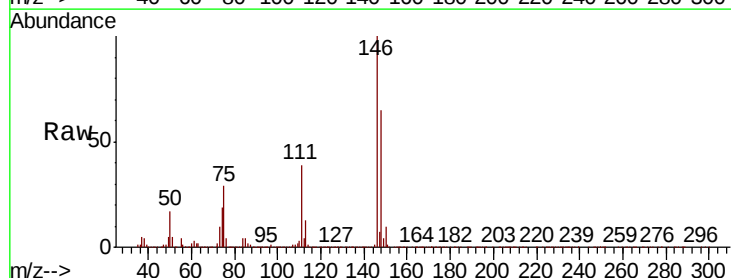
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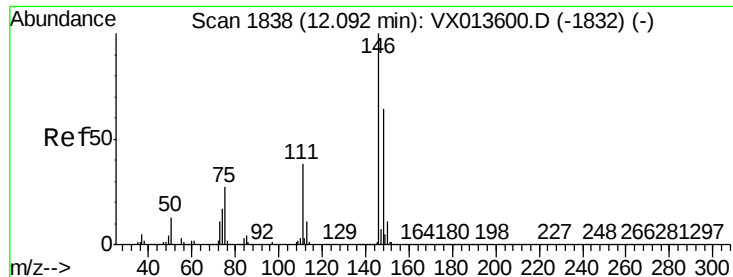
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#87
1,3-Dichlorobenzene
Concen: 45.129 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.0	57.0
148	65.5	31.8	95.4





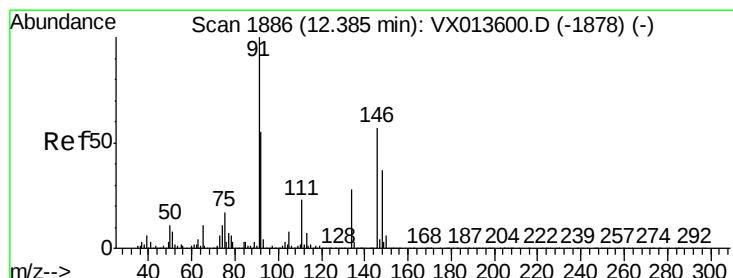
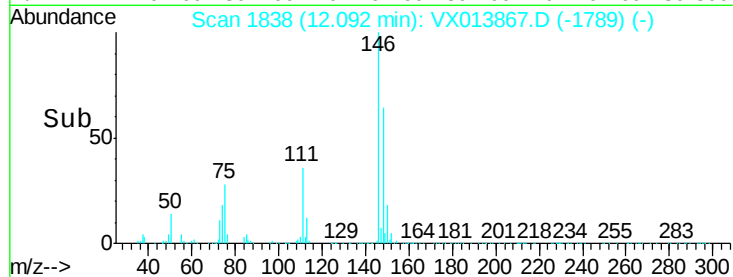
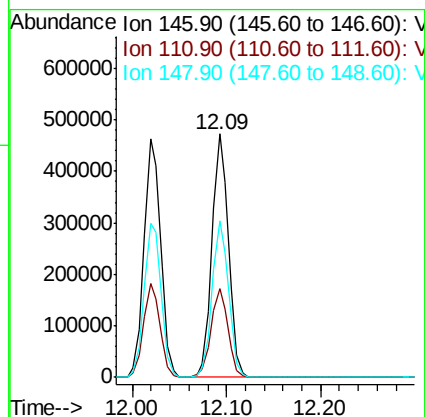
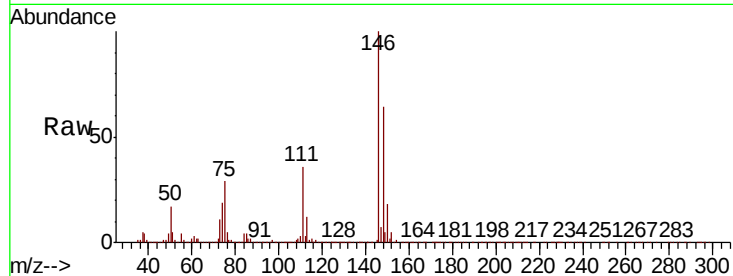
#88
1,4-Dichlorobenzene
Concen: 44.498 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	64.3	31.9	95.5

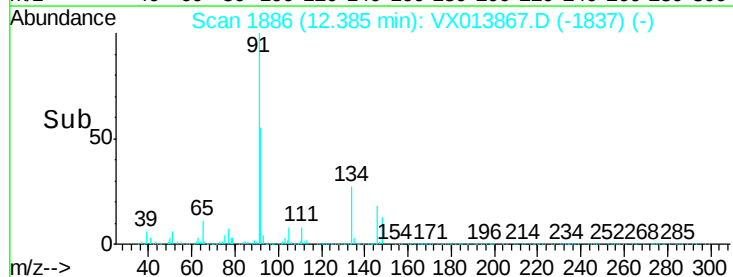
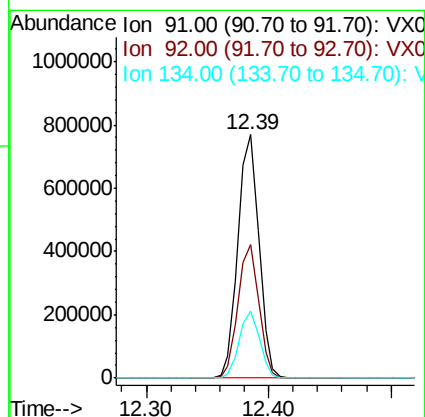
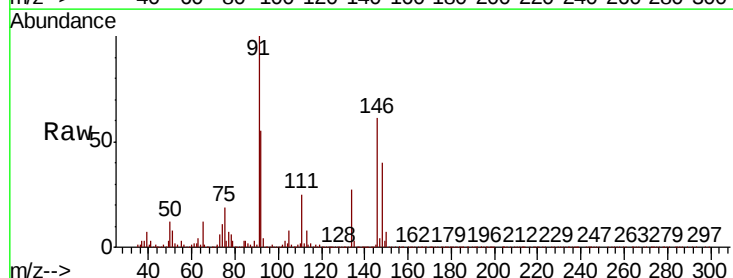
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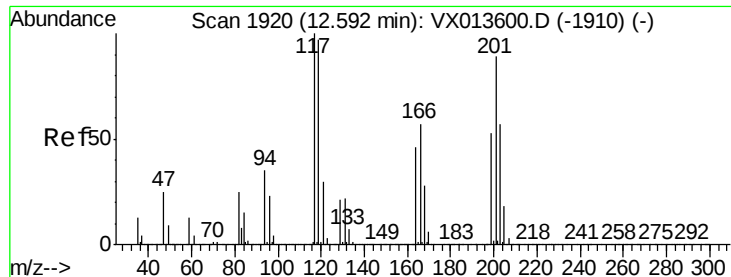
apatel
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#89
n-Butylbenzene
Concen: 44.899 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.4	82.2
134	26.8	13.5	40.4





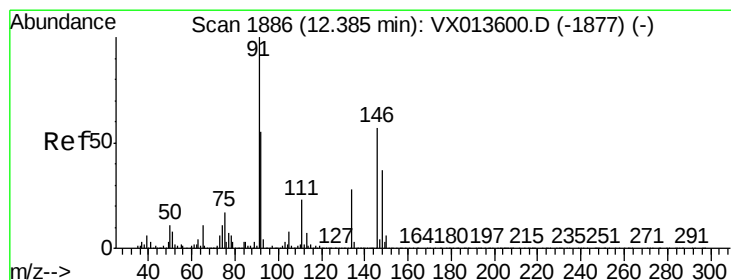
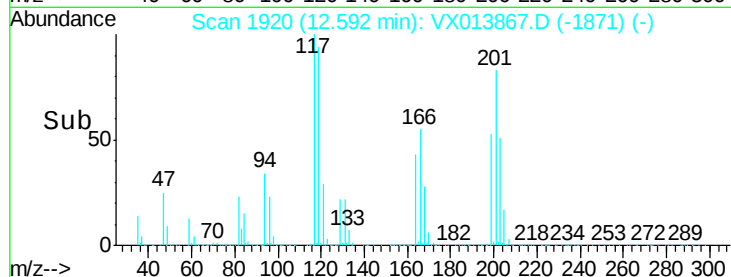
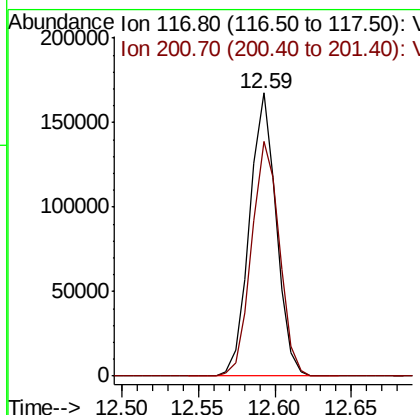
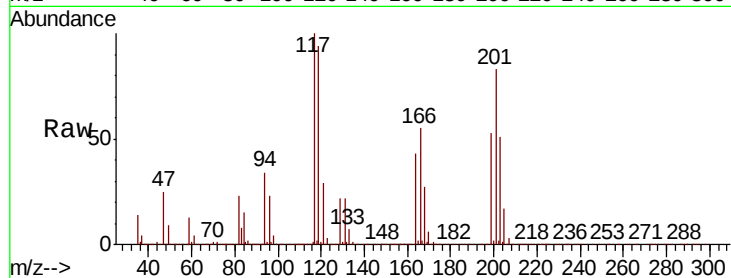
#90
Hexachloroethane
Concen: 47.374 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20191204MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	202834		
201	86.8	44.1	132.4	

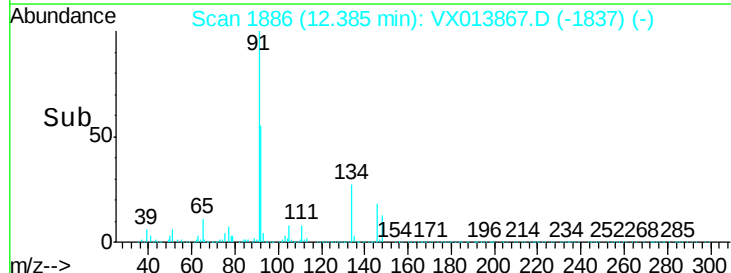
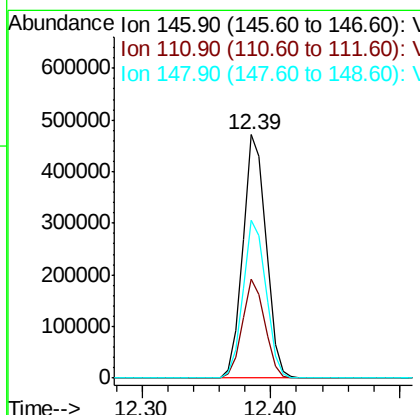
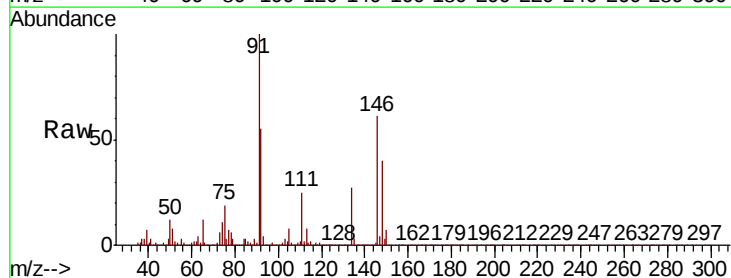
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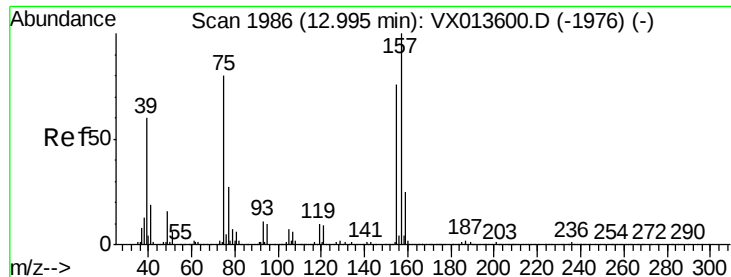
apatel
12/11/2019 8:54:39 AM



#91
1,2-Dichlorobenzene
Concen: 46.871 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013867.D
Acq: 09 Dec 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	583650		
111	39.5	19.6	58.7	
148	64.3	31.9	95.7	





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.917 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

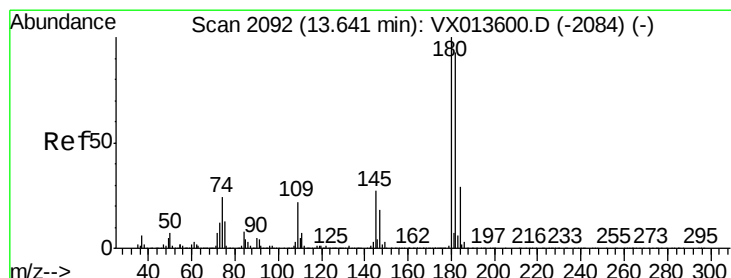
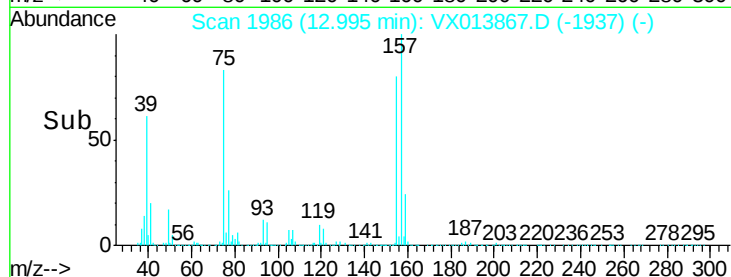
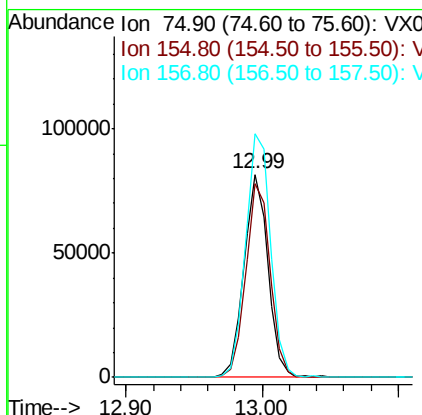
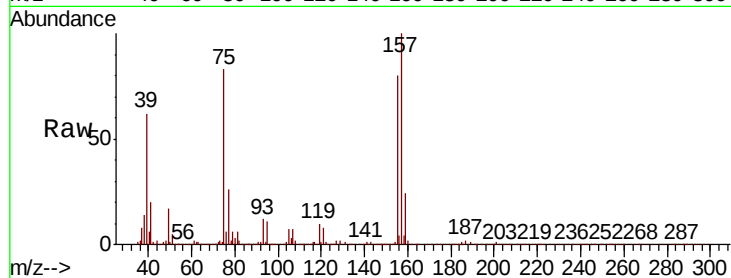
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	75	Resp:	100888
Ion Ratio	Lower	Upper	
75	100		
155	97.4	47.6	142.8
157	125.4	62.1	186.2

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 42.246 ug/l

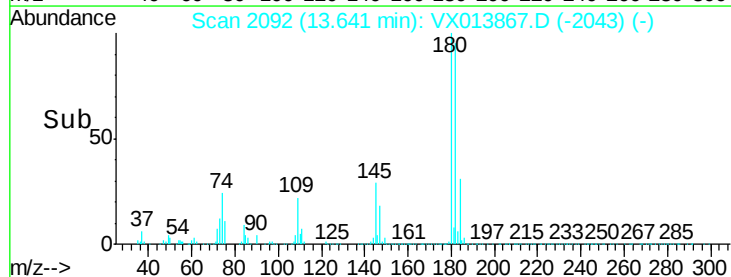
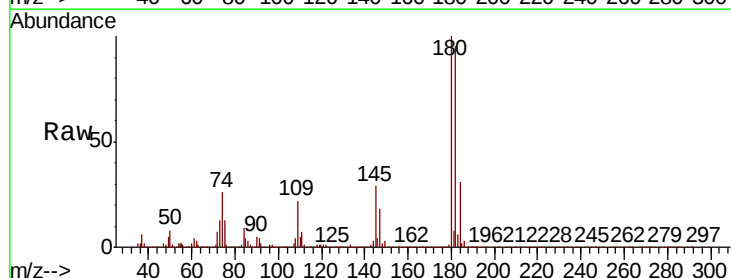
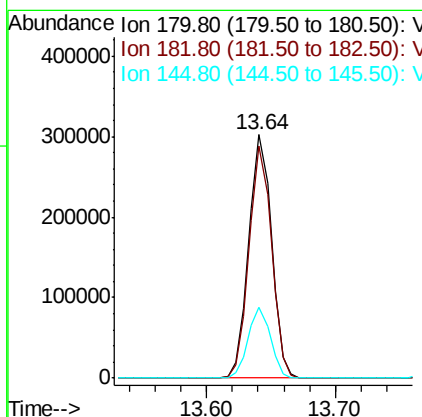
RT: 13.64 min Scan# 2092

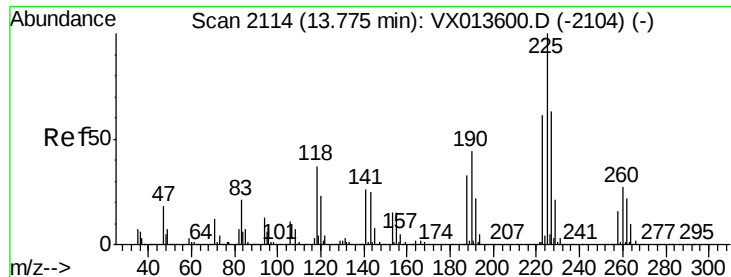
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	180	Resp:	366629
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.2	141.6
145	28.7	13.8	41.4





#94

Hexachlorobutadiene

Concen: 41.675 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Instrument :

MSVOA_X

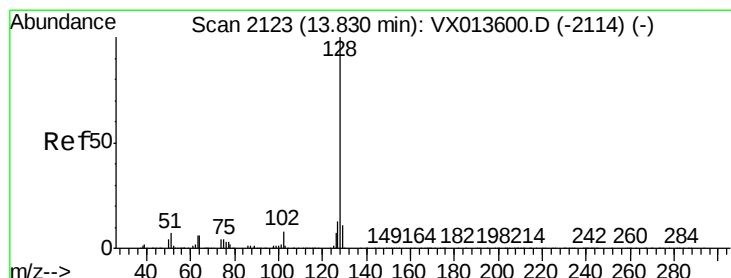
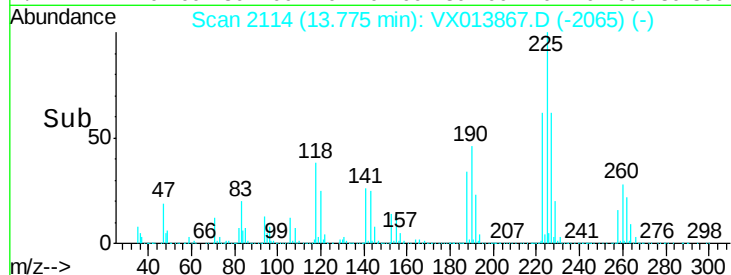
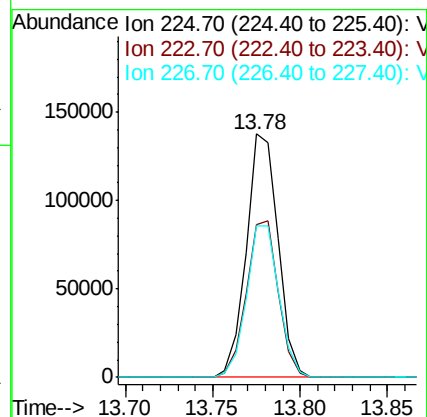
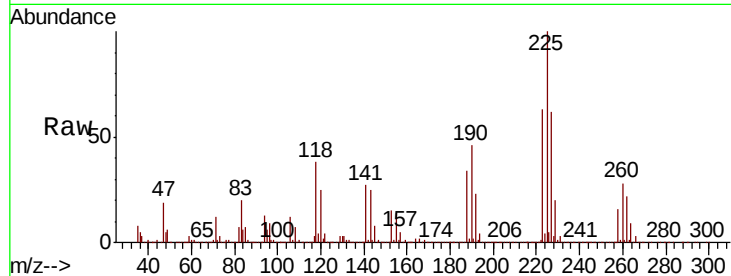
ClientSampleId :

RE131D2-20191204MSD

Tot Ion:	225	Resp:	173739
Ion Ratio		Lower	Upper
225	100		
223	64.2	31.9	95.5
227	63.1	32.1	96.3

Manual Integrations
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#95

Naphthalene

Concen: 45.639 ug/l

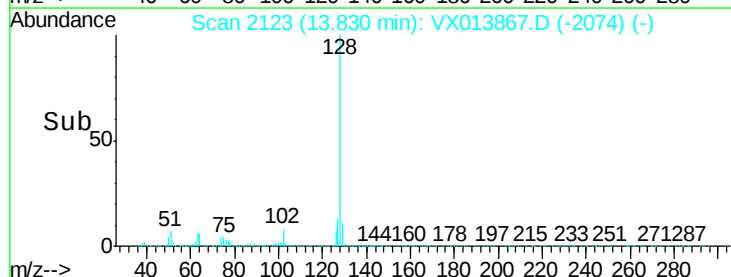
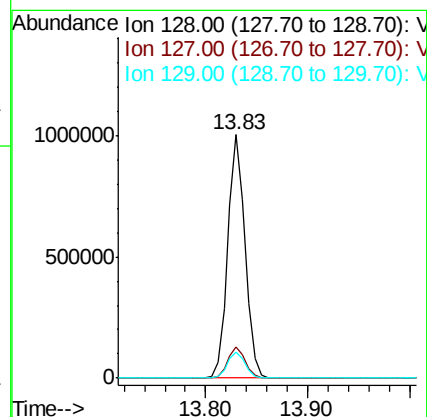
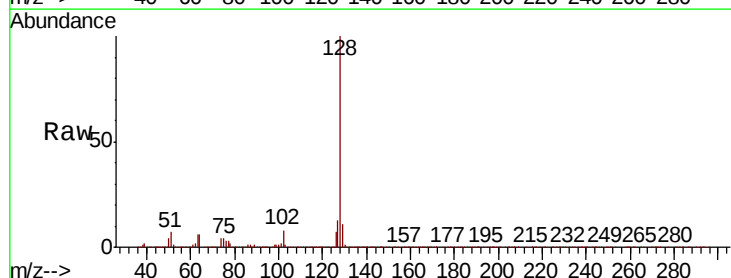
RT: 13.83 min Scan# 2123

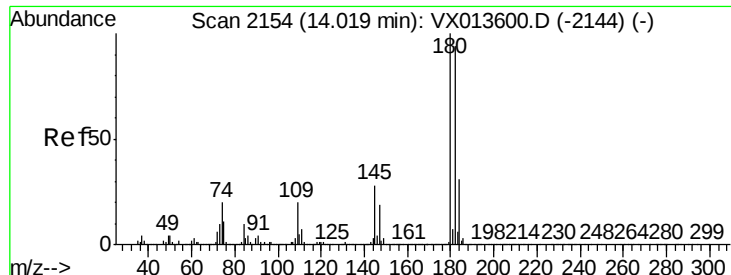
Delta R.T. 0.00 min

Lab File: VX013867.D

Acq: 09 Dec 2019 21:37

Tgt Ion:	128	Resp:	1179509
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1





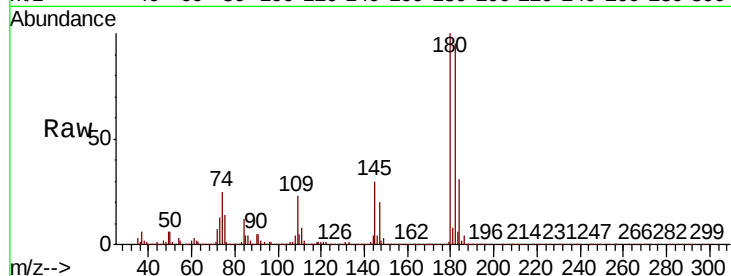
#96
 1,2,3-Trichlorobenzene
 Concen: 44.608 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VX013867.D
 Acq: 09 Dec 2019 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20191204MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.2	47.6	142.8
145	29.7	15.0	45.0

Manual Integrations
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 12/11/2019 8:54:39 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

